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division of allied health sciences



INDIANA UNIVERSITY BULLETIN

MAY 30, 1964

Bulletin of the
Division of
Allied Health Sciences
Indiana University



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Calendars

Bloomington Campus

First Semester

	1964-65	1965-66
New student meeting—		
Junior Division.....	Sept. 14, M.....	Sept. 13, M
New student meeting—		
transfer and graduate.....	Sept. 14, M.....	Sept. 13, M
Counseling.....	Sept. 14-16, M-W.....	Sept. 13, 14; M, T
Registration.....	Sept. 15, 16 T, W.....	Sept. 15, 16; W, Th
Classes begin.....	Sept. 17, Th, 7:30 a.m.....	Sept. 17, F, 7:30 a.m.
Mid-term reports due.....	Nov. 13, F, 5 p.m.....	Nov. 12, F, 5 p.m.
Thanksgiving recess begins.....	Nov. 25, W, 5:15 p.m.....	Nov. 24, W, 5:15 p.m.
Thanksgiving recess ends.....	Nov. 30, M, 7:30 a.m.....	Nov. 29, M, 7:30 a.m.
Christmas recess begins.....	Dec. 19, S, 12:15 p.m.....	Dec. 18, S, 12:15 p.m.
Christmas recess ends.....	Jan. 4, M, 7:30 a.m.....	Jan. 3, M, 7:30 a.m.
Classes end.....	Jan. 20, W, 5:15 p.m.....	Jan. 19, W, 5:15 p.m.
Review Day.....	Jan. 21, Th.....	Jan. 20, Th
Examinations begin.....	Jan. 22, F, 7:45 a.m.....	Jan. 21, F, 7:45 a.m.
Examinations end.....	Jan. 29, F, 5:15 p.m.....	Jan. 28, F, 5:15 p.m.

Second Semester

	1964-65	1965-66
New student meetings.....	Feb. 2, T.....	Feb. 1, T
Counseling.....	Feb. 3, 4; W, Th.....	Feb. 2, 3; W, Th
Registration.....	Feb. 5, 6; F, S.....	Feb. 4, 5; F, S
Classes begin.....	Feb. 8, M, 7:30 a.m.....	Feb. 7, M, 7:30 a.m.
Mid-term reports due.....	Mar. 26, F, 5 p.m.....	Mar. 25, F, 5 p.m.
Spring recess begins.....	Apr. 10, S, 12:15 p.m.....	Mar. 26, S, 12:15 p.m.
Spring recess ends.....	Apr. 19, M, 7:30 a.m.....	Apr. 4, M, 7:30 a.m.
Founders' Day*.....	May 5, W.....	May 4, W
Senior Class Day†.....	May 21, F.....	
Classes end.....	May 29, S, 12:15 p.m.....	May 28, S, 12:15 p.m.
Review Day.....	May 30, Sun.....	May 29, Sun
Examinations begin.....	May 31, M, 7:45 a.m.....	May 31, T, 7:45 a.m.
Examinations end.....	June 7, M, 5:15 p.m.....	June 7, T, 5:15 p.m.
Commencement.....	June 14, M, 10 a.m.....	June 13, M, 10 a.m.

Summer Sessions

	1964-65	1965-66
<i>Intersession</i>		
Counseling and registration.....	June 8, T, 8 a.m.-12 m.....	June 8, W, 8 a.m.-12 m.
Classes begin.....	June 8, T, 1:30 p.m.....	June 8, W, 1:30 p.m.
Classes end.....	June 22, T.....	June 22, W
<i>Regular Session</i>		
New student meetings.....	June 21, M.....	June 21, T
Counseling.....	June 21, M.....	June 21, T
Registration.....	June 22, T.....	June 22, W
Classes begin.....	June 23, W, 7:30 a.m.....	June 23, Th, 7:30 a.m.
Monday classes meet.....	June 26, S.....	June 25, S
Independence Day holiday.....	July 3, S.....	July 4, M
Tuesday classes meet.....	July 10, S.....	July 9, S
Wednesday classes meet.....	July 24, S.....	July 23, S
Thursday classes meet.....		Aug. 6, S
Classes end.....	Aug. 12, Th.....	Aug. 11, Th
<i>Postsession</i>		
Counseling.....	Aug. 11, W.....	Aug. 10, W
Registration.....	Aug. 12, Th.....	Aug. 11, Th
Classes begin.....	Aug. 13, F, 7:30 a.m.....	Aug. 12, F, 7:30 a.m.
Classes end.....	Aug. 28, S.....	Aug. 27, S

* 9:30, 10:30, 11:30, and 12:30 classes do not meet.

† Seniors excused from classes beginning at 12:30 p.m.

Medical Center Campus, Indianapolis

1964-65

MEDICAL RECORDS PROGRAM

Fall Semester

Semester begins	Sept. 9, W, 9 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins*	Dec. 18, F, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end*	Jan. 15, F, 5 p.m.
Examinations begin**	Jan. 18, M, 8 a.m.
Examinations end	Jan. 20, W, 5 p.m.

* Medical Records courses have finals before Christmas recess.

** Core courses have finals January 21 to 25, 1965.

Spring Semester

Classes begin*†	Jan. 25, M, 8 a.m.
	Feb. 1, M, 8 a.m.
Spring recess begins	April 15, Th, 5 p.m.
Spring recess ends	April 21, W, 8 a.m.
Examinations begin	By arrangement
Examinations end	By arrangement
Commencement	June 14, M, 10 a.m.

* Medical Records courses begin January 4, 1965.

† Core courses begin February 1, 1965.

MEDICAL TECHNOLOGY PROGRAM

Fall Semester

Semester begins	Aug. 17, M, 9 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins	Dec. 23, W, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end	Jan. 23, S, 5 p.m.
Examinations are scheduled within courses	

Spring Semester

Classes begin	Jan. 25, M, 8 a.m.
Spring recess begins	Apr. 15, Th, 5 p.m.
Spring recess ends	Apr. 19, M, 8 a.m.
Classes end	May 29, S, 5 p.m.
Examinations are scheduled within courses	
Commencement	June 14, M, 10 a.m.

Summer Session

Classes begin	May 31, M, 8 a.m.
Classes end	Aug. 17, T, 5 p.m.
Examinations are scheduled within courses	

OCCUPATIONAL THERAPY PROGRAM

Fall Semester

Semester begins	Sept. 8, T, 8 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins	Dec. 18, F, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end	Jan. 15, F, 5 p.m.
Examinations begin	Jan. 18, M
Examinations end	Jan. 20, W

Spring Semester

Classes begin	Jan. 25, M, 8 a.m.
Spring recess begins	April 15, Th, 5 p.m.
Spring recess ends	April 21, W, 8 a.m.
Classes end	May 21, F, 5 p.m.
Examinations begin	May 24, M
Examinations end	May 27, Th
Commencement	June 14, M, 10 a.m.

PHYSICAL THERAPY PROGRAM

Fall Semester

Semester begins	Sept. 8, T, 8 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins	Dec. 18, F, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end	Jan. 15, F, 5 p.m.
Examinations begin	Jan. 18, M, 8 a.m.
Examinations end	Jan. 20, W, 5 p.m.

Spring Semester

Classes begin	Jan. 25, M, 8 a.m.
Spring recess begins	April 15, Th, 5 p.m.
Spring recess ends	April 21, W, 8 a.m.
Classes end	May 21, F, 5 p.m.
Examinations begin	May 24, M, 8 a.m.
Examinations end	May 26, W, 5 p.m.
Commencement	June 14, M, 10 a.m.

Summer Session

Classes begin	May 31, M, 8 a.m.
Classes end	July 9, F, 5 p.m.

Clinical Education

(Section 1) begins	July 12, M
Clinical Education	
(Section 1) ends	Aug. 7, S
Clinical Education	
(Section 2) begins	Aug. 9, M
Clinical Education	
(Section 2) ends	Sept. 4, S

PUBLIC HEALTH DENTAL HYGIENE PROGRAM

Fall Semester

Semester begins	Sept. 17, Th, 8 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins	Dec. 18, F, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end	Jan. 15, F, 5 p.m.
Examinations begin	Jan. 18, M, 8 a.m.
Examinations end	Jan. 22, F, 5 p.m.

Spring Semester

Classes begin	Jan. 25, M, 8 a.m.
Spring recess begins	April 15, Th, 5 p.m.
Spring recess ends	April 21, W, 8 a.m.
Classes end	May 21, F, 5 p.m.
Examinations begin	May 24, M, 8 a.m.
Examinations end	May 27, Th, 5 p.m.
Commencement	June 14, M, 10 a.m.

PUBLIC HEALTH EDUCATION PROGRAM

Fall Semester

Semester begins	Sept. 17, Th, 8 a.m.
Thanksgiving recess begins	Nov. 25, W, 5 p.m.
Thanksgiving recess ends	Nov. 30, M, 8 a.m.
Christmas recess begins	Dec. 18, F, 5 p.m.
Christmas recess ends	Jan. 4, M, 8 a.m.
Classes end	Jan. 15, F, 5 p.m.
Examinations begin	Jan. 18, M, 8 a.m.
Examinations end	Jan. 20, W, 5 p.m.

Spring Semester

Classes begin	Jan. 25, M, 8 a.m.
Spring recess begins	April 15, Th, 5 p.m.
Spring recess ends	April 21, W, 8 a.m.
Classes end	May 21, F, 5 p.m.
Examinations begin	May 24, M, 8 a.m.
Examinations end	May 27, Th, 5 p.m.
Commencement	June 14, M, 10 a.m.

**PUBLIC HEALTH ENVIRONMENTAL-
HEALTH PROGRAM**

Fall Semester

Semester begins.....	Sept. 17, Th, 8 a.m.
Thanksgiving recess begins.....	Nov. 25, W, 5 p.m.
Thanksgiving recess ends.....	Nov. 30, M, 8 a.m.
Christmas recess begins.....	Dec. 18, F, 5 p.m.
Christmas recess ends.....	Jan. 4, M, 8 a.m.
Classes end.....	Jan. 15, F, 5 p.m.
Examinations begin.....	Jan. 18, M, 8 a.m.
Examinations end.....	Jan. 20, W, 5 p.m.

Spring Semester

Classes begin.....	Jan. 25, M, 8 a.m.
Spring recess begins.....	Apr. 15, Th, 5 p.m.
Spring recess ends.....	Apr. 21, W, 8 a.m.
Classes end.....	May 21, F, 5 p.m.
Examinations begin.....	May 24, M, 8 a.m.
Examinations end.....	May 27, Th, 5 p.m.
Commencement	June 14, M, 10 a.m.

Officers and Faculty, 1964-1965

ADMINISTRATIVE OFFICERS

- ELVIS J. STAHR, B.C.L., LL.D., President of the University.
- HERMAN B WELLS, A.M., LL.D., Chancellor of the University; President of the Indiana University Foundation.
- JOHN WILLIAM ASHTON, Ph.D., LL.D., Vice-President for Graduate Development, and Dean of the Graduate School.
- SAMUEL EDWARD BRADEN, Ph.D., Vice-President, and Dean for Undergraduate Development.
- JOSEPH AMOS FRANKLIN, B.S., Vice-President, and Treasurer.
- RAY L. HEFFNER, JR., Ph.D., Vice-President, and Dean of the Faculties.
- CHARLES EDWIN HARRELL, LL.B., Registrar, and Director of the Office of Records and Admissions.
- JOHN I. NURNBERGER, B.S., M.S., M.D., Acting Dean of the School of Medicine, Director of the Institute of Psychiatric Research, and Chairman and Professor of Psychiatry.
- JOHN JOSEPH MAHONEY, A.B., M.S., Ph.D., Associate Dean of the School of Medicine, MEND Coordinator, and Associate Professor of Experimental Medicine.
- ARTHUR D. LAUTZENHEISER, B.S., Assistant Dean of the School of Medicine.
- EDMUND JOSEPH SHEA, A.B., F.A.C.H.A., Administrator of the Medical Center.
- LYNN ARBOGAST, A.B., B.Mus.Ed., M.D., Acting Director of the Division of Allied Health Sciences, Director of the Medical Technology Program, Director of the Clinical Laboratories, and Professor of Pathology.
- ELTON RIDLEY, B.S., M.B.A., Assistant Administrator of the Medical Center, and Assistant Professor of Hospital Administration in the Division of Allied Health Sciences.
- MAYNARD K. HINE, D.D.S., M.S., Dean of the School of Dentistry; Chairman of Graduate Dental Education.
- RALPH EARL McDONALD, D.D.S., M.S., Assistant Dean of the School of Dentistry, and Secretary of Graduate Dental Education.
- ROBERT LEE BOGAN, B.S., D.D.S., Assistant to the Dean of the School of Dentistry.
- FRANK T. GUCKER, Ph.D., Dean of the College of Arts and Sciences.
- PRESSLY S. SIKES, Ph.D., Dean of the Junior Division.
- WILLIAM H. STRAIN, A.M., Associate Registrar for Admissions.
- SMITH HIGGINS, Ph.D., Dean of the Division of University Extension, and Associate Professor of Mathematics.
- VICTOR M. BOGLE, Ph.D., Director of the Kokomo Campus.
- RALPH E. BROYLES, Ph.D., Director of the Fort Wayne Campus.
- JOHN C. BUHNER, Ph.D., Director of the Northwest Campus.
- VIRGIL HUNT, A.M., Director of the Indianapolis Downtown Campus.
- BYRON F. LAIRD, Ed.D., Director of the Southeastern Campus.
- LESTER WOLFSON, Ph.D., Director of the South Bend-Mishawaka Campus.

FACULTY AND STAFF OF THE DIVISION OF ALLIED HEALTH SCIENCES*

M. ANNE ACKERMAN, Instructor in Dental Hygiene (School of Dentistry).

B.S., University of Michigan, 1951; R.D.H., 1951.

HAROLD S. ADAMS, Director of Public Health-Environmental Health Program, and Associate Professor of Public Health.

B.S., Massachusetts State College, 1929.

LYNN ARBOGAST, Acting Director of the Division of Allied Health Sciences, Director of the Medical Technology Program, Director of the Clinical Laboratories, and Professor of Pathology.

A.B., Indiana Central College, 1925; B.Mus. Ed., Illinois Wesleyan University, 1930; M.D., Indiana University, 1936.

(Mrs.) KATHERINE BAILEY, Lecturer in Medical Technology Office Procedures.

ELAINE BATES, Lecturer in Occupational Therapy, and Director, Department of Occupational Therapy, LaRue D. Carter Memorial Hospital.

B.S., Mt. Mary College, 1953; O.T.R., 1954.

PARKER R. BEAMER, Chairman, Director of Clinical Correlation and Research, and Professor of Pathology.

A.B., University of Illinois, 1935; M.S., 1937; Ph.D., 1940; M.D., Washington University, 1943.

JAMES O. BECK, JR., Assistant Professor of Radiology (School of Dentistry).

B.S., Indiana University, 1956; D.D.S., 1959; M.S.D., 1962.

HESTER B. BLAND, Lecturer in Health Education.

B.S., Indiana State College, 1942; M.S., Butler University, 1949; H.S.D., Indiana University, 1956.

(Mrs.) CAROL S. BRANSON, Instructor in Occupational Therapy.

B.S., University of Illinois, 1959; O.T.R., 1960.

ISABELLE BUEHL, Assistant Professor of Pathology.

A.B., Indiana University, 1956; M.D., 1959.

CLINTON I. CHASE, Associate Professor of Education (School of Education).

B.S., University of Idaho, 1950; M.S. in Ed., 1951; Ph.D., University of California, 1958.

CLYDE G. CULBERTSON, Professor of Pathology.

B.S., Indiana University, 1928; M.D., 1931.

(Mrs.) KATHERINE CUSHMAN, Lecturer in Electrocardiography.

(Mrs.) ROSALIE DELLINGER, Lecturer in Bacteriology and Mycology.

M.T. (ASCP), 1959.

ELENI DIAMANDIDOU, Instructor in Physical Therapy.

R.P.T., 1953; B.S., Indiana University, 1963.

EUGENE J. DONLAN, Director of Tumor Registry at Indiana University Medical Center.

A.B., Indiana University, 1948; A.M., Butler University, 1951.

EUGENIA DRITSAS, Lecturer in Serology.

Ph.G., Massachusetts College of Pharmacy, 1924; M.T. (ASCP), 1931.

* Certification abbreviations:

C.R.L.—Certified Record Librarian; approved by the American Association of Medical Record Librarians.

H.T. (ASCP)—Histological Technician; approved by the American Medical Association and the American Society of Clinical Pathologists.

M.T. (ASCP)—Medical Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists.

M.T. (ASCP) BB—Blood Banking Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists.

N.M.T. (ASCP)—Nuclear Medical Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists.

O.T.R.—Registered Occupational Therapist; approved by the American Medical Association and the American Occupational Therapy Association

R.D.H.—Registered Dental Hygienist; approved by the American Dental Association.

R.P.T.—Registered Physical Therapist; approved by the American Medical Association and the American Physical Therapy Association.

R.R.L.—Registered Medical Record Librarian; approved by the American Medical Association and the American Association of Medical Record Librarians.

- (Mrs.) FRANCES C. EKSTAM, Director of the Physical Therapy Program, and Associate Professor of Physical Therapy.
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- MARY ELLIOTT, Lecturer in Occupational Therapy, Occupational Therapy, Riley Hospital, Indiana University Medical Center.
A.B., Earlham College, 1960; Certificate in Occupational Therapy, University of Buffalo, 1962; O.T.R., 1962.
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B.S., University of Kansas, 1952; O.T.R., 1952; A.M., Columbia University, 1959.
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B.S.C.E., Purdue University, 1931; M.C.E., New York University, 1940.
- CHARLES FISCH, Professor of Medicine.
A.B., Indiana University, 1942; M.D., 1944.
- FRANK E. FISHER, Lecturer in Public Health.
B.S.E.E., Purdue University, 1930.
- A. REBEKAH FISK, Director of the Public Health Dental Hygiene Program, and Assistant Professor in Clinic (School of Dentistry).
R.D.H., 1923; B.S., Butler University, 1955; M.S., 1958.
- JACQUELYN FRENCH, Instructor in Psychology in the Department of Psychiatry, and Lecturer in Occupational Therapy.
A.M., Columbia University, 1960; Ph.D., 1964.
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A.B., Butler University, 1929; O.T.R., 1938.
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- SUSAN GENTRY, Lecturer in Occupational Therapy, and Supervisor of Occupational Therapy Unit, Riley Hospital, Indiana University Medical Center.
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- (Mrs.) MARY C. HAGAR, Lecturer in Physical Therapy, and Supervisor of the Physical Therapy Department, Long Hospital, Indiana University Medical Center.
R.N., Miami Valley Hospital, Dayton, Ohio, 1929; R.P.T., 1946.
- STANLEY C. HERMAN, Instructor in Pedodontics (School of Dentistry).
B.S., Indiana University, 1958; D.D.S., 1959; M.S.D., 1961.
- ORAL H. HERT, Lecturer in Public Health.
B.S., Purdue University, 1948.
- NARCISSA HOCKER, Instructor in Immunohematology.
B.S., Purdue University, 1944; M.T.(ASCP), 1945; M.T.(ASCP)BB, 1955; M.S., Indiana University, 1964.
- SAMUEL H. HOPPER, Chairman, and Professor of Public Health.
B.S., Massachusetts Institute of Technology, 1933; M.S., 1934; Ph.D., 1937.
- JOY HUSS, Lecturer in Occupational Therapy, and Consultant, Division of Services for Crippled Children, Indiana State Department of Public Welfare.
A.B., Whittier College, 1953; O.T.R., 1959; R.P.T., 1962.
- (Mrs.) MARGARET M. JAY, Lecturer in Bacteriology and Mycology.
A.B., DePauw University, 1961; M.T.(ASCP), 1963.
- DAVID H. JUNG, Instructor in Clinical Chemistry.
A.B., Indiana University, 1931; A.M., 1933; Ph.D., 1935.

- JOHN F. KEPPLER**, Lecturer in Public Health.
B.S., Purdue University, 1938.
- ANITA KOEHNEKE**, Lecturer in Physical Therapy, and Supervisor of the Physical Therapy Department, Riley Hospital, Indiana University Medical Center.
R.P.T., 1948; B.S., Washington University, 1956.
- PATRICIA LAVIS**, Lecturer in Medical Technology.
B.S., Indiana University, 1963; M.T.(ASCP), 1963.
- RACHEL M. LEHMAN**, Instructor in Medical Technology.
B.S., Indiana State College, 1929; M.T.(ASCP), 1936.
- RALPH B. LINGEMAN**, Associate Professor of Pathology, and Associate Director of the Clinical Laboratory.
M.D., Indiana University, 1953.
- (Mrs.) **KATHRYN LYNN**, Lecturer in Bacteriology.
M.T.(ASCP), 1941; A.B., Butler University, 1942.
- MAX C. McCOWEN**, Lecturer in Public Health.
B.S., Indiana State College, 1937; M.S., 1938.
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B.S., State College of Iowa, 1937; M.S., Indiana University, 1941.
- ALBERT L. MARSHALL**, Lecturer in Public Health.
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B.S., Central Normal College, 1933; M.P.H., University of Michigan, 1946.
- GEORGE F. MAYO**, Lecturer in Public Health.
B.S., Berea College, 1931.
- ARTHUR SIMARD MILLER**, Instructor in Oral Pathology (School of Dentistry).
B.S., Montana State College, 1957; D.D.S., Washington University, 1959; M.S.D., Indiana University, 1963.
- SHERMAN A. MINTON, JR.**, Associate Professor of Microbiology.
A.B., Indiana University, 1939; M.D., 1942.
- (Mrs.) **MARILYN MUNDEN**, Lecturer in Medical Technology.
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- (Mrs.) **ANNA J. NOLAN**, Lecturer in Medical Records Program, and Medical Records Librarian, Indiana University Medical Center.
R.R.L., 1941.
- RICHARD D. NORMAN**, Assistant Professor of Dental Materials (School of Dentistry).
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B.S., Indiana University, 1963; R.R.L., 1963.
- RALPH W. PHILLIPS**, Research Professor of Dental Materials (School of Dentistry).
A.B., Indiana University, 1940; M.S., 1955.
- RONALD S. PING**, Acting Chairman, and Associate Professor of Oral Surgery (School of Dentistry).
D.D.S., Indiana University, 1941.
- BLUCHER A. POOLE**, Lecturer in Public Health.
B.S.C.E., Purdue University, 1931.
- (Mrs.) **SHIRLEY L. RANDOLPH**, Instructor in Physical Therapy.
B.S., University of Colorado, 1953; R.P.T., 1955; A.M., University of Southern California, 1959.
- ISAAC C. REESE**, Instructor in Radiology (Isotopes).
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- ELTON RIDLEY**, Assistant Professor of Hospital Administration in the Division of Allied Health Sciences, and Assistant Administrator, Indiana University Medical Center.
B.S. in Com., University of Illinois, 1950; M.B.A., University of Chicago, 1952.

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- RALPH G. SCHIMMELE, Assistant Professor of Operative Dentistry (School of Dentistry).
D.D.S., Indiana University, 1952.
- WILLIAM G. SHAFER, Chairman, and Professor of Oral Pathology (School of Dentistry).
B.S., University of Toledo, 1947; D.D.S., Ohio State University, 1947; M.S., University of Rochester, 1949.
- (Mrs.) ERNA SIMEK, Assistant Professor of Occupational Therapy.
O.T.R., 1944; B.S., Milwaukee Downer College, 1948; A.M., Washington University, 1954.
- ANITA SLOMINSKI, Lecturer in Occupational Therapy, and Coordinator, Cerebral Palsy Clinic, Indiana University Medical Center.
O.T.R., 1946; A.B., Indiana University, 1954.
- (Mrs.) ELIZABETH B. SOLOW, Instructor in Clinical Chemistry.
B.S., Indiana University, 1944; M.T.(ASCP), 1944; M.S., Indiana University, 1962.
- LOUIS W. SPOLYAR, Assistant Professor of Public Health.
A.B., DePauw University, 1931; M.D., Indiana University, 1936.
- SAMUEL M. STANDISH, Chairman, Division of Clinical Oral Pathology, and Associate Professor of Oral Pathology (School of Dentistry).
D.D.S., Indiana University, 1945; M.S., 1956.
- PAUL E. STARKEY, Chairman of the Division of Clinical Pedodontics, and Professor of Pedodontics (School of Dentistry).
D.D.S., Indiana University, 1943.
- WILLIAM A. SUMMERS, Professor of Microbiology.
A.B., University of Illinois, 1935; M.S., 1936; Ph.D., Tulane University of Louisiana, 1940.
- CAROL SWINDELL, Lecturer in Medical Technology.
M.T.(ASCP), 1959.
- CARLA J. TOTTEN, Instructor in Dental Hygiene (School of Dentistry).
Certificate in Dental Hygiene, Indiana University; R.D.H., 1955.
- GRANT VAN HUYSEN, Chairman, and Professor of Oral Anatomy (School of Dentistry).
D.D.S., University of Pennsylvania, 1925.
- FRANK VELLIOS, Director of Surgical Pathology, and Professor of Pathology.
M.D., Washington University, 1946.
- WILLIAM B. WEISELL, Lecturer in Jurisprudence.
A.B., Columbia University, 1936; LL.B., 1940.
- ROBERT O. YOHO, Instructor in Public Health.
A.B., Indiana University, 1934; A.M., 1939; H.S.D., 1957.
- KATHRYN YOUNG, Assistant Professor of Physical Therapy.
B.S., University of Tennessee, 1936; A.M., University of Michigan, 1937; R.P.T., 1946.
- MILDRED YOUNG, Lecturer in Hematology.
B.S., Butler University, 1941; M.T.(ASCP), 1942.
- ROSEMARY ZUNK, Lecturer in Histologic Technic.
H.T.(ASCP), 1964.

AFFILIATED LECTURERS

- LEON ANDERSON, Chief Physical Therapist, Highland View Hospital, Cleveland, Ohio.
B.S., John Smith University, 1954; Physical Therapy Certificate, Boston University, 1956.
- GERALDINE ARNOLD, Chief Physical Therapist, Veterans Administration Hospital, Indianapolis.
Physical Therapy Certificate, University of Iowa, 1945.
- DEMETRIUS BABIAK, Chief Physical Therapist, Veterans Administration Hospital, Louisville, Ky.
B.S. and Physical Therapy Certificate, New York University, 1949.

- LORETTA BOGER**, Chief Physical Therapist, Cleveland Metropolitan General Hospital, Cleveland, Ohio.
B.S., Wittenberg University, 1937; Physical Therapy Certificate, Cleveland Clinic, 1946.
- DOROTHEA CEPIK**, Clinical Supervisor, Veterans Administration Hospital, Cleveland, Ohio.
B.S., Bowling Green State University, 1950; Physical Therapy Certificate, Cleveland, Ohio, 1954.
- DOROTHY FREDRICKSON**, Director, Physical Therapy Department, Vanderbilt Hospital, Nashville, Tenn.
B.S., Boston University, 1946; A.M., Stanford University, 1948.
- JOSEPH GEHRIS**, Chief Physical Therapist, Community Hospital, Indianapolis.
B.S., College of William and Mary, 1953; Physical Therapy Certificate, Medical College of Virginia, 1953.
- ROBERT KENNEDY**, Director, Physical Therapy, Parkview Memorial Hospital, Fort Wayne.
B.S., Purdue University, 1956; Physical Therapy Certificate, University of Pennsylvania, 1957.
- JOHN A. LEWIS**, Chief Physical Therapist, St. Joseph's Hospital, South Bend.
B.S., Certificate in Physical Therapy, Duke University, 1955.
- ANN PASKINS**, Supervisor, Physical Therapy, Crossroads Rehabilitation Center, Indianapolis.
B.S., Physical Therapy, Indiana University, 1960.
- (Mrs.) LINDA SHANNON**, Assistant Chief Physical Therapist, Jewish Hospital of St. Louis, St. Louis, Mo.
B.S., Physical Therapy, Washington University, 1953.
- (Mrs.) ANNE SHORT**, Supervisor, Physical Therapy, I. Walter Johnson Rehabilitation Center, St. Louis, Mo.
B.S., Physical Therapy, Washington University, 1954.
- JOSEPH STRUNK**, Chief Physical Therapist, Veterans Administration Hospital, Cincinnati, Ohio.
Certificate in Physical Therapy, Medical College of Virginia, 1950.
- (Mrs.) MARILYN CRAW SUTHERLIN**, Assistant Medical Record Librarian, Methodist Hospital, Indianapolis.
B.S., Indiana University, 1954; R.R.L., 1954.
- THOMAS D. WINNER**, Chief Physical Therapist, St. Francis Hospital, Pittsburgh, Pa.
B.A., Lycoming College, 1953; Certificate in Physical Therapy, D. T. Watson School of Physical Therapy (University of Pittsburgh), 1954.

General Statement

Indiana University. By every measure of strength among modern universities, Indiana University ranks near the top. It is old enough (founded in 1820) to have great stability and great traditions. It is large enough (tenth in the nation) to offer a breadth of instruction seldom equaled. Yet, through a carefully organized system of counseling, it gives personal and individual attention to each student.

The Indiana faculty, including scholars of national and international reputation, offers instruction and training in research in hundreds of subjects. The University libraries, which include some of the nation's most important collections in a number of fields, contain more than 4,000,000 pieces.

On all of its campuses Indiana University has sought to preserve the informality and friendliness of a small school. As a result, no student becomes "lost" in the transition from high school to university. This has been accomplished through the successful faculty-student counseling program of the Junior Division (the "academic home" of all freshmen) and the individualized programs in all the dormitories.

More than twenty different offices at Indiana University provide services designed to give each student individual attention. These include aid in acquiring correct study and reading habits, health care, planning for special courses of study, part-time employment, student loans and scholarships, aid in finding accommodations, and job placement service on graduation.

Since Indiana University is composed of several different schools or divisions, students receive a wide variety of opportunities for study and training. These areas cover the fields of the allied health sciences; arts and sciences; business; dentistry; education; health, physical education, and recreation; law; library science; medicine; music; nursing; optometry; and social service.

The College of Arts and Sciences has one of the largest enrollments and faculties of any college in Indiana. The School of Business, by national ranking, is a leader in a wide variety of business training courses. The School of Music is outstanding among such schools at state universities. A large percentage of the administrators and teachers in the state's public school system have been trained in the School of Education. The School of Health, Physical Education, and Recreation offers many new courses in the expanding field of health and recreation. Through the facilities of the Medical Center at Indianapolis, the School of Medicine (fourth in enrollment), the School of Dentistry, and the School of Nursing offer exceptional opportunities for training. The Division of Social Service at Indianapolis offers the only graduate program in social work in Indiana. The School of Law, both at Bloomington and at Indianapolis, is recognized as outstanding. The Division of Allied Health Sciences offers several programs leading to degrees in the various fields associated with medicine and dentistry. The Division of Optometry offers the only accredited program in Indiana leading to a degree in optometry, and the Division of Library Science is the only graduate library school in Indiana accredited by the American Library Association.

The Graduate School at Indiana attracts scholars from hundreds of other institutions, both in the United States and abroad. Specialized study is available on the highest academic levels and in all major fields of study.

Though Bloomington is a small city, Indiana University is able to provide cultural advantages seldom duplicated in metropolitan areas. These include outstanding symphony orchestras, world-famous musicians and lecturers, Broadway dramatic and musical productions, ballet, etc. Many students enjoy participating in the activities of the more than forty musical units on the campus, including the philharmonic orchestra, band, chorus, and many other smaller ensembles. Others become interested in the

programs of the campus publications such as the daily newspaper, or in the self-government groups, religious organizations, and the many hobby clubs.

Within easy driving distance from the Bloomington Campus are immense state forest preserves and three state parks, which are available for recreational purposes. The campus itself is famous for its natural beauty, as is the southern Indiana area in which the University is located. Extensive space on the campus is provided for outdoor and indoor sports and games.

Housing for students has been a major undertaking of the University. Dormitories, with accommodations available at a wide range of prices, are provided for more than half of the students enrolled. The buildings are modern and include facilities which offer opportunities for comfort beyond the average "room and board."

Indiana University is constituted by law as the head of the state's public school system. It is supported by the people of Indiana, who have always been alert to the finest in educational opportunities. The University has not been content to rest on past attainments. Perhaps that is one reason it is one of the fastest growing universities among the thirty largest and best American institutions.

The Medical Center. The Indiana University Medical Center consists of the School of Medicine, the School of Dentistry, the School of Nursing, the Robert W. Long Hospital, the James Whitcomb Riley Hospital for Children (including the Kiwanis Wing), the Rotary Building, the Clinical Building, the William H. Coleman Hospital for Women, the Union Building, and the new Medical Science Building. Located adjacent to the Medical Center are Marion County General Hospital, Veterans Hospital, and the LaRue D. Carter Memorial Hospital. Such a situation is ideal for study in all phases of the health sciences. Students are admitted to all of the University hospitals and clinics for training and observation.

Historical Sketch of the Division of Allied Health Sciences. As a part of the School of Medicine, the Division is concerned with the preparation of personnel in the health-related areas on the undergraduate level. The Division was established in September, 1959, by action of the Board of Trustees of Indiana University. In September, 1960, the Board of Trustees conferred upon the faculty of the School of Medicine the responsibility and authority to qualify, for the Bachelor of Science degree, those students successfully completing the prescribed curriculum in the following areas of study: Medical Records, Medical Technology, Occupational Therapy, Physical Therapy, Public Health Dental Hygiene, Public Health Education, and Public Health-Environmental Health. In 1964 the Public Health Administration Program was approved.

Accreditation. The Division of Allied Health Sciences shares with the other schools of the University the accreditation accorded Indiana University as a member of the North Central Association of Colleges and Secondary Schools.

The programs in Medical Records, Medical Technology, Occupational Therapy, and Physical Therapy are, in addition, fully approved by the Council on Medical Education of the American Medical Association.

Curriculum. The usual curriculum pattern of the Division of Allied Health Sciences calls for a year in the Junior Division, and, in some programs, one or two additional years' work in the College of Arts and Sciences. The last one or two years, depending on the program, consist of preprofessional courses and/or clinical field training, supervised by the program directors at the Medical Center and/or affiliated areas outside Indianapolis.

BLOOMINGTON CAMPUS

General University Requirements for Admission

All students entering Indiana University directly from high school and all students transferring to Indiana University during the freshman year enter the Junior Division, either at Bloomington or at one of the regional campuses. All students must have been

admitted officially to the University. Special qualifications and counseling problems will be carefully and individually studied and help given where possible. The Admissions Committee, composed of the program directors of the Division of Allied Health Sciences, has discretionary power to admit students to the various programs.

A college preparatory course should include four units of English (of which one-half unit may be in speech and one-half unit in journalism) and nine or more units in some combination of foreign language, mathematics, science, and social studies. Students expecting to enter the Division of Allied Health Sciences should include two years of a foreign language and two to four years each of mathematics and science.

Out-of-State applicants should meet all standards expected of in-state applicants and should rank in the top fourth of their class.

Transfer Students. Indiana residents who have attended other colleges and universities may transfer to Indiana University if they have an academic average of C (2.0 on a 4.0 scale) or higher and a clear record of conduct. Residents of other states wishing to transfer are required to have approximately a 2.5 average.

Applications for admission may be made at any time during the high school senior year. Both freshman and transfer applications for September must arrive in Bloomington by July 15; for the second semester and summer by January 5 and May 15, respectively. These admission standards apply to the regional campuses as well as the Bloomington Campus. Inquiries and applications for all freshmen and undergraduate transfer students should be addressed to the Office of Admissions, Room 110, Bryan Hall, Indiana University, Bloomington, Indiana 47405. A nonrefundable application fee of \$10 is required of all new applicants for admission to Indiana University.

Expenses. Of primary importance to the average student contemplating college is the probable cost of a year of study and living on a university campus. Indiana University, since it is state supported, is able to offer its program of education at a nominal fee. Housing, food, books, and incidental fees also approach the minimum. Expenses vary according to personal habits, course of study, accommodations, and the manner of living to which the student is accustomed. A typical student budget for an academic year amounts to approximately \$1,600-\$1,700.

Fees. These are \$11 per semester hour for Indiana residents and \$27 for non-residents. The fee varies for the professional schools, certain divisions of the University, and the regional campuses. Other minor costs include deposits, rental, breakage, and, in some instances, a social activity fee. All fees are subject to change by action of the Trustees. A representative estimate of expenses for the average student for an academic year at Indiana University would include:

Fees (30 semester hours)	
Indiana Residents	\$330
Nonresidents	810
Books and Supplies	75
Personal Expenses (travel and clothing not included)	200
Housing (room and board)	
Residence Hall—double room (\$655-\$940)	770
Cooperative Housing	
Wendell Willkie Quadrangle	580
Residence Scholarship Housing	
(Students can pay expenses by working 15 hours weekly)	480
Fraternities and sororities (room and board)	760-918
Fee Refund Schedule	
First week of semester (until Class Change Day)	100%
Second week of semester	75%
Third week of semester	50%
Fourth week of semester	25%
Thereafter	0

Housing. All freshman women are required to live in the University Halls of Residence for their initial year on campus. Freshman men may live in residence halls, fraternities, or rooms in private homes which have been approved by the Off-Campus Housing Office.

Rates for the dormitories in the various quadrangles and housing centers operated by Halls of Residence for an academic year range from \$655 for a double room to \$940 for a single room, including meals. Such accommodations include all room furnishings, bed linen, and telephone. Personal items and allowed "extras" must be provided by the student. Less expensive accommodations are provided in the cooperative housing units. Residence scholarship housing is also less expensive. Fraternity and sorority housing runs slightly higher than the average Halls of Residence accommodations. Private homes are listed by the Off-Campus Housing Office, 801 North Jordan Avenue.

Applications for residence hall housing must be accompanied by a \$25 deposit fee to cover loss and breakage and must be filed prior to the admissions application. Complete information on all types of student housing may be obtained by writing the Director, Halls of Residence, 801 North Jordan Avenue, Indiana University, Bloomington, Indiana 47403.

As soon as a student wishes to select and enter an Allied Health Sciences program, he should write to the Division Director. This letter should explain how he became interested in and what his purpose is in entering the program. His special skills, interests, hobbies, and purposes should be included. This can be done at matriculation, from one of the regional campuses, or certification out of the Junior Division (see page 17, *Minimum Requirements for Admission* to study in the Division of Allied Health Sciences) and should be accomplished as early as possible so that news, letters, and counseling material can reach him through the program mailing list. Counseling interviews either in Indianapolis or Bloomington are encouraged by the program directors.

Regional Campuses. Many of the courses required in the various programs may be studied at the various regional centers of the University. Nearly all offer the Core Curriculum and many of the required preprofessional courses. The program sequences listed are particularly planned for the Bloomington Campus, but by careful planning, possibly by changing the order of certain courses, many or all of the requirements can be completed on the regional campus. By living at home and studying at a regional campus or center, many students can undertake a program which would be prohibitive otherwise from the expense standpoint.

CORE CURRICULUM

A Core Curriculum, established for all students desiring to enter a program of study in the Division of Allied Health Sciences is as follows:

English Composition	4 semester hours of credit
Social Sciences	6 semester hours of credit
Literature, Philosophy, and the Arts	6 semester hours of credit
Chemistry	5 semester hours of credit
Zoology	5 semester hours of credit*

PREPROFESSIONAL REQUIREMENTS

In addition to the Core Curriculum, certain courses are required to complete the preprofessional requirements. These additional professional requirements are listed for each area of study in the program sections following.

* Not required for Dental Hygiene, see page 36 for recommended program.

In the Division of Allied Health Sciences, one of the following five- or six-hour sequence courses (see *Bulletin of the College of Arts and Sciences* for course descriptions) is to be selected from the Social Science group and the Literature, Philosophy, and the Arts group:

SOCIAL SCIENCES:

Anthropology: A103, A104; A303, A304

Economics: E201, E202; E300 (5 hours, 1 semester)

Geography: G210, G313; G105, G106 (5 hours, 1-2 semesters)

Government: G101, G102; G103, G104; G213, G214

History: H103, H104; H105, H106; C381-C382-C383, H209-H210, H471-H472

Sociology: S161, S162 or S163

LITERATURE, PHILOSOPHY, AND THE ARTS:

The Arts: Comparative Literature C225, Fine Arts H100, Music M174,
Speech S240 (any three)

Classics: C250, C260

Comparative Religion: C153, C154

English: L101, L102

Fine Arts: H223, H224

Philosophy: Six hours from the total departmental offering, including at least one of P100, P240, P250, P301, P302 or P350

Music: M201, M202

Speech and Theatre: S247, S248

REQUIREMENTS FOR GRADUATION

The Bachelor of Science degree will be conferred by the Indiana University School of Medicine upon persons who have complied with the following requirements:

The satisfactory completion of the Core Curriculum of the Division of Allied Health Sciences of the School of Medicine.

The completion of a minimum of 120 semester hours of academic work including the specific professional requirements for the program pursued.

A minimum cumulative average of C in academic work.

The last 30 semester hours of University work taken at the Medical Center.

Grade Code. Achievement of students in each course is recorded by the following grades: A, highest passing grade; B, above average; C, average; D, lowest passing grade; S, satisfactory; F, failure; I, incomplete; W, withdrawn; and WF, failing or unauthorized withdrawal.

The symbol I is used to indicate that some essential part of a course has not been completed. Students must remove an incomplete grade within two semesters, or one summer session and one semester. If unusual circumstances intervene within the stated time, special arrangements must be made by the student with the approval of the instructor assigning the incomplete grade and the Office of the Director. Students receiving F or WF must repeat the course if it is a requirement for graduation or if credit for the course is desired. There is no re-examination privilege.

A credit hour represents the work required in one recitation or lecture, or in two or more hours of laboratory work, each week throughout one semester. Letter grades are assigned the following point values for computing the cumulative grade average:

A—4 points per credit hour

B—3 points per credit hour

C—2 points per credit hour

D—1 point per credit hour

F—0 points per credit hour
 WF—0 points per credit hour
 S,W,I—No credit points. Not considered in computing cumulative grade averages.

Repeated hours, or hours with a grade of F, are counted when computing the cumulative grade average but do not count toward the 120-hour total necessary for graduation.

The student is held responsible for understanding all requirements for graduation and for completing them by the time he expects to graduate.

Degrees are granted in June and September. Commencement is held only in June. Candidates for degrees in September may participate in the June Commencement.

Cumulative Average. The cumulative average is computed by dividing total credit points earned by total credit hours attempted. If an F grade has been earned and removed by retaking the course, both the F and the passing hours earned must be counted in computing the cumulative average. A cumulative average of C (2.0) is required for certification to and graduation from the Division of Allied Health Sciences.

Probation. Students are placed on probation for the semester succeeding the one in which they fail to earn a C average. Students are removed from probation at the end of the semester in which their cumulative average is C (2.0).

Probation may be assigned to students who fail to meet satisfactory standards of professional behavior. Unsatisfactory standards are represented by such behavior as: absence without leave, undue carelessness or negligence in studies or practice, inattention to the needs of patients, and falsification of records or reports. Students and parents are notified of probationary status.

Separation. A student is automatically separated from the Division when he fails to earn a C average in each of two semesters or his cumulative average is below C.

Readmission. The program directors act as a committee to consider petitions for readmission from students who have been separated. A student separated for the first time may petition the Committee immediately for readmission. Readmission may be granted if warranted by exceptional circumstances. A student separated for the second time may not be admitted for the next semester and may not petition for readmission until eight weeks after the beginning of the next regular semester. Once readmitted, a student remains on probation as long as his cumulative average is below C.

Grade Reports. Grade reports are mailed to students and their parents as soon as possible after the end of a semester.

Honors. Recognition for high cumulative grade averages is given by the designation Highest Distinction, High Distinction, and Distinction. These distinctions are given only by faculty recommendation.

Scholarships. The University makes available a large number of undergraduate scholarships. At least two State Scholarships are offered to students in each county of the state. There are 250 Merit Scholarships awarded each year as well as many endowed scholarships. There are also funds and awards given annually by sororities, fraternities, and civic organizations. More complete information on these awards may be obtained by writing to the Director of Scholarships and Financial Aids, Maxwell Hall, Indiana University, Bloomington, Indiana 47405.

In the senior year there are additional funds and awards given by sororities and fraternities and civic organizations for certain programs. Information is available from the Division of Allied Health Sciences or from the program directors concerning such special scholarships.

Dean of Students Services to Students. The Office of the Dean of Students at Bloomington gives general and individual attention to the welfare of students. It provides personal, vocational, and educational counseling, supplies general information pertaining to student problems, refers students to clinics and other agencies as needed, arranges for testing services and interprets results for students, and otherwise aids students in dealing with a variety of problems facing them. The Dean of Students invites correspondence from parents and guardians and will gladly cooperate with them regarding the welfare of students.

Clinical Services. The University at Bloomington provides clinical assistance for students without charging extra fees. The student has access to the Reading and Study Skills Center if he needs to improve his reading and comprehension. A Remedial Speech and Hearing Clinic is another service. The Dean of Students Counseling Office is ready to help the student with personal problems, with assistance in making adjustments, or with special problems in choosing his career.

MEDICAL CENTER CAMPUS

Minimum Requirements for Admission to the Division of Allied Health Sciences

The minimum requirements for admission to study in the Division of Allied Health Sciences on the Bloomington Campus are the completion of at least 26 semester hours of academic work and the achievement of a minimum cumulative C average in academic work.

Advanced Standing by Transfer. A student seeking advanced standing by transfer from another accredited university or college may be admitted to advanced standing in the Division of Allied Health Sciences after he has provided a satisfactory official transcript which lists the credits he earned elsewhere, which certifies that he is in good standing at the last university or college he attended, and which grants him an honorable dismissal from that institution.

Credits will be transferred from other accredited colleges for courses comparable to those taught at Indiana University. A credit must carry a grade corresponding to the Indiana University A, B, or C to have transfer value. Under some conditions, a student with a cumulative average slightly below C in another institution may be admitted to Indiana University on probation. This grade deficiency must be brought up to a C average before graduation.

An application for admission and advanced standing should be filed, with complete supporting credentials, two months or more before the anticipated date of matriculation. Credentials should be sent to the Associate Registrar for Admissions on the Bloomington Campus.

Transfer students applying for admission to Indiana University, in a program within the Division, will NOT be admitted by the Admissions Office prior to receiving the Division's recommendation. The Admissions Office will forward to the Division Office the transfer credit report. The Division Office will in turn forward this report to the Program Director for his/her recommendation.

Admission to the Medical Center Campus. Before a student may request admission to the Medical Center Campus to continue his studies, he must present a minimum cumulative average of C, and the number of credit hours designated in the table below, including the necessary prerequisite courses.

Program	Minimum Requirement (credit hours)
Medical Records	90
Medical Technology	90
Occupational Therapy	60
Physical Therapy	60

Public Health Dental Hygiene	90*
Public Health Administration	90
Public Health Education	90
Public Health-Environmental Health	90

Application for Admission to the Indianapolis Campus. Selection of those to be admitted to the Medical Center in Indianapolis will begin on or about May 1 of each year from the group of applicants who have filed, or re-filed for admission prior to this date. Applications filed after May 1 will be processed as received, and selections will be made as long as vacancies exist or occur in the class to be admitted for the following academic year. Applications may be received and acted upon prior to the completion of all preprofessional requirements, if the transcript of work completed at the time shows the reasonable probability that all requirements can be satisfactorily completed prior to the date of the opening of classes.

DIVISION APPLICATION FORM

- Applications for entry into one of the programs in the Division are distributed by:
Office of Records and Admissions, Bloomington Campus
The Office of the Division of Allied Health Sciences
Program Directors
- The following application deadline dates have been established for consideration of candidates for the class commencing in the fall semester:
first selection—April 15
second selection—June 15
final selection—August 1
- All completed applications are to be submitted by the applicant to the Office of the Division of Allied Health Sciences, Indiana University Medical Center, Indianapolis 46207. The Division Office will forward the application to the Program Director.

Living Facilities on the Medical Center Campus. It is necessary to fill out an official housing application for Indianapolis Medical Center campus housing. The form is obtainable from Philip McQuillen, Director of Housing, Indiana University Medical Center, 490 North Winona Street, Indianapolis, Indiana 41202. The application form requires the inclusion of a small photograph and a \$25 loss and breakage deposit. Space assignments are made on the basis of the date the deposit is received. Requests for specific persons as roommates by single (unmarried) students will be honored provided the deposits are made at approximately the same time and both applicants make written requests for each other as roommates. The Housing Office for the Medical Center maintains a file listing information pertaining to approved facilities available off campus. Interested students may inquire at the Office in person to check the current listings.

Floor plans and facilities of campus housing are included in the official housing application form.

Campus Housing for Single (Unmarried) Students. Student dormitories are located adjacent to, and directly connected with, the Union Building. Rates are: double, \$42.50 per month; single, \$60 per month. (Single-rate facilities are very limited and rarely available). This dormitory for single students houses men on the first two floors and women on the top three floors. Each floor is designed to include

* Includes graduation from an accredited (by Council on Dental Education of the American Dental Association) Dental Hygiene Program. Indiana University students may be admitted to the Dental Hygiene Program in the School of Dentistry after 30 semester hours of academic work.

a lounge, while at the top of the building there is a roof lounge which may be used for parties and informal social meetings. The individual rooms are comfortable and attractively furnished. Each includes storage space, campus telephone, and air conditioning. Central bathrooms are available on each floor. The dormitory wing opens directly into the main cafeteria and lounge of the Union Building which also houses a snack bar, a book and gift shop, a swimming pool, and other recreational facilities.

Winona Village (for men only) consists of temporary barrack-type units with 35 double rooms accommodating 70 men, located west of the Union Building on the Medical Center Campus. Rates are: double, \$30 per month; single, \$37.50 per month (if available).

Campus Housing for Married Students. Unfurnished apartments include efficiency, one-bedroom, and two-bedroom accommodations. The rentals range from \$50 to \$100 per month depending on the size and quality of the apartments. Furnished apartments include efficiencies at \$90 per month and one-bedroom apartments at \$105 per month.

Trunks and Household Furnishings. These should be sent for arrival on the date the previously assigned room or apartment has been set for occupancy. They must be adequately marked with the name and campus address of the student.

GENERAL INFORMATION ABOUT THE MEDICAL CENTER

The Food Service of the Union offers delicious meals, both in the cafeteria and in the snack bar. Books, records, supplies, and novelties can be purchased in the gift shop. In addition to pool, billiards, and table tennis, other recreational facilities include a swimming pool and tennis courts. Intramural basketball and water polo as well as aqua ballet provide organized recreation.

The Student Union Board, a council representative of all the schools on campus, sponsors dances, movies, and mixers. Eight medical and dental fraternities add to the social scene, as do the activities of the various schools and classes. Three chaplains provide spiritual leadership to individuals and to their religious groups.

The city of Indianapolis itself has much to offer the student. The nationally famous Indianapolis Symphony presents concerts throughout the winter season. Several civic theatre groups as well as frequent visits of touring troupes provide a widely varied program of plays. Both Indiana and Purdue Universities maintain regional campuses in Indianapolis. Butler University, Indiana Central College, and Marian College are all located in Indianapolis. Art galleries, libraries, and museums enrich the city. There are seven radio stations, three television studios, and countless movie houses to entertain the Indianapolis resident.

The proximity of Bloomington also makes an evening's entertainment on the campus there feasible. A series of inviting programs of theatre, music, and lectures, which the Medical Center student may attend, are scheduled on the Bloomington Campus. Indiana University basketball and football tickets are available at student prices and many Medical Center students plan weekends on the Bloomington Campus as part of their social calendar.

Student Health Service. The Indiana University Medical Center offers a student health service for students of the Schools of Medicine, Nursing, and Dentistry, the Division of Allied Health Sciences, students in the Normal College of the American Gymnastic Union of Indiana University, and the Division of Social Service. The service is designed to promote the general health of students by offering complete clinical and laboratory examinations, dispensary or infirmary care for minor illnesses, and limited hospital care for major illnesses or surgical operations. Also available is optional health insurance which provides coverages in addition to those furnished

by the Student Health Service and which extends to the student when away from the Medical Center Campus.

Textbooks. A bookstore located in the Union Building on the Medical Center Campus carries all necessary textbooks and supplies for the Schools of Medicine, Dentistry, Nursing, and for the Allied Health Science courses.

Library of the School of Medicine. The combined libraries of the School of Medicine and the School of Nursing in Indianapolis are located in the middle section of the first and basement floors of the Medical Science Building. The Library contains 65,000 volumes and subscribes to 1,252 foreign and domestic periodicals. Many of the journal files are complete, and gaps are being filled through exchange of duplicate volumes with other medical libraries, by gifts, and through direct purchase financed largely by the Pitman-Moore Medical Center Library Grant. The current issues of some 325 of the more important periodical titles received are always available in the periodical reading room. The library seats 170 persons, and ready access to reference materials is provided by 2,500 volumes of selected indices, encyclopedias, and dictionaries placed on open shelves in the main reading room.

FIELD CENTERS USED BY THE DIVISION OF ALLIED HEALTH SCIENCES

MEDICAL RECORDS PROGRAM

St. Vincent's Hospital, Indianapolis
 St. Francis Hospital, Beech Grove
 Memorial Clinic, Indianapolis
 Lutheran Hospital, Fort Wayne
 St. John's Hickey Memorial Hospital, Anderson
 Louis Weiss Memorial Hospital, Chicago, Ill.
 Wesley Memorial Hospital, Chicago, Ill.

OCCUPATIONAL THERAPY PROGRAM

Massachusetts Mental Health Center, Boston, Mass.
 Columbus Psychiatric Institute and Hospital, Ohio State University, Columbus, Ohio
 Bird S. Coler Hospital, Welfare Island, N.Y.
 Children's Rehabilitation Institution, Reisterstown, Md.
 Curative Workshop, University of Pennsylvania, Philadelphia, Pa.
 James Whitcomb Riley Hospital, Indiana University Medical Center, Indianapolis
 Hines Veterans Administration Hospital, Hines, Ill.
 Houston Veterans Administration Hospital, Houston, Tex.
 Schwab Rehabilitation Center, Chicago, Ill.
 Marion County General Hospital, Indianapolis
 Ohio State University Hospital, Columbus, Ohio

PHYSICAL THERAPY PROGRAM

James Whitcomb Riley Hospital, Indiana University Medical Center, Indianapolis
 Long Hospital, Indiana University Medical Center, Indianapolis
 Crossroads Rehabilitation Center, Indianapolis
 Community Hospital, Indianapolis
 Veterans Administration Hospital, Indianapolis
 St. Joseph's Hospital, South Bend
 Parkview Memorial Hospital, Fort Wayne
 Highland View Hospital, Cleveland, Ohio
 Crile Veterans Hospital, Cleveland, Ohio
 Cleveland Metropolitan General Hospital, Cleveland, Ohio
 Veterans Administration Hospital, Louisville, Ky.

Veterans Administration Hospital, Cincinnati, Ohio
Jewish Hospital of St. Louis, St. Louis, Mo.
Irene Walter Johnson Institute of Rehabilitation, St. Louis, Mo.
Vanderbilt Hospital, Nashville, Tenn.
St. Francis Hospital, Pittsburgh, Pa.

PUBLIC HEALTH EDUCATION PROGRAM

Indiana State Board of Health, Indianapolis
Marion County Health and Hospital Corporation, Indianapolis

PUBLIC HEALTH-ENVIRONMENTAL HEALTH PROGRAM

Indiana State Board of Health, Indianapolis

PUBLIC HEALTH ADMINISTRATION PROGRAM

Indiana State Board of Health, Indianapolis
City and County Health Departments, Indianapolis
Voluntary Health Agencies, such as Indiana Health Association and Indiana Cancer Association, Indianapolis
Health and Hospital Insurance Plans, Indianapolis
Indiana Association of Nursing Home Administrators, Indianapolis

Courses in the Division of Allied Health Sciences

The letters preceding the number of each of the courses in the Division of Allied Health Sciences indicates the program. The letters used and their meanings are as follows:

- A HL B—Public Health Administration
- A HL C—Medical Technology
- A HL D—Public Health Dental Hygiene
- A HL E—Public Health Education
- A HL H—Public Health General Course
- A HL M—Medical Records
- A HL P—Physical Therapy
- A HL S—Public Health-Environmental Health
- A HL T—Occupational Therapy
- A HL W—Coordinated courses primarily for Occupational Therapy and Physical Therapy students

For descriptions of courses offered on the Bloomington Campus, refer to the *Bulletin of the College of Arts and Sciences*, obtainable from the Office of Admissions, Indiana University, Bloomington, Indiana 47405.

Required courses are listed in the following descriptions of the various programs. Electives are starred (*).

For additional information on these programs write to the Director of the Program in the area or field of your interest. Address inquiries to the Program Director, (name of field or area), Division of Allied Health Sciences, Indiana University Medical Center, Indianapolis, Indiana 46207.

MEDICAL RECORDS

Assistant Professors Gunn (Director), Ridley; Lecturers Donlan, Nolan, Sutherlin, Phillips.

The Medical Records Program was established in December, 1950, by Indiana University and approved by the Council on Medical Education of the American Medical Association. Continued approval by the Council is based on an inspection of the school by the Chief, Education Program, American Association of Medical Record Librarians, on a five-year basis.

The medical record administrator, as director of the medical record department, is responsible for developing and maintaining a system of medical records which will promote the best medical care of the patient, provide training material for interns and residents, and serve as a source of information for medical research and clinical evaluation. As director he/she is also called upon to assist the hospital staff with many medical, administrative, and medico-legal problems.

In this program the student spends three years on the Bloomington Campus and one year on the Medical Center Campus in Indianapolis. During the fourth year, in addition to prescribed theory courses and class laboratory technique, the student participates in the many functions of the Medical Record Department. In both the class laboratory and Medical Record Department the student learns to analyze medical records, compile monthly and yearly statistical data, answer correspondence and hospital insurance forms, and keep an up-to-date index of diseases and operations for use by physicians and other specialists interested in research.

After graduation the student becomes eligible to take the registration examination of the American Association of Medical Record Librarians which certifies him or her as a Registered Record Librarian.

FIRST YEAR

<i>First Semester</i>		Hours	<i>Second Semester</i>		Hours
English Composition W131	2		English Composition W132	2	
Chemistry C100	5		Zoology Z103	5	
Social Science Area	3		Social Science Area	3	
Mathematics M115	5		*Electives	5	
Physical Education W100	1		Physical Education W100	1	
	<hr/>	16		<hr/>	16

SECOND YEAR

Psychology P101	3	Speech S121	2
Foreign Language	5	Psychology P102	3
Classics C209	2	Foreign Language	5
Business Area	2-3	Anatomy A210	5
*Electives	2-3		
	<hr/>		<hr/>
	15		15

THIRD YEAR

<i>First Semester</i>		Hours	<i>Second Semester</i>		Hours
Library Science L483	3	Literature, Philosophy, and the Arts	3		
Literature, Philosophy, and the Arts	3	Physiology P204	5		
Business Area	4-6	Business Area	2-3		
*Electives	2-3	*Electives	5		
	<hr/>		<hr/>		
	15		15-16		

In the business area concentration group 8-9 credits are required to be selected from the following courses:

Business	C300	Office Management I (2 cr.)
Business	C403	Office Management II (3 cr.)
Business	C404	Office Systems and Control (3 cr.)
Business	B413	Methods of Employee Training (3 cr.)
Business	J340	Personnel Management (3 cr.)
Business	W300	Principles of Management and Administration (3 cr.)

Recommended Electives

Economics	E201-E202	Principles of Economics I-II (3-3 cr.)
Philosophy	P100	Introduction to Philosophy (3 cr.)
Philosophy	P240	Ethics (3 cr.)
Philosophy	P250	Logic (3 cr.)
Education	R523	Utilization of Audio-Visual Materials (3 cr.)
Business	F260	Personal Finance (3 cr.)
Comparative Religion	C153-154	Introduction to World Religions I-II (3-3 cr.)

Additional courses in language of choice.

FOURTH YEAR

(Medical Center Campus)

<i>First Semester</i>		Hours	<i>Second Semester</i>		Hours
Hospital Organization and Management I A HL M321	2	Hospital Organization and Management II A HL M322	2		
Statistics A HL H304	2	Clinical Lectures II A HL W472	2		
Medical Record Science I A HL M411...	5	Pathology C477	2		
Directed Practice Experience I A HL M441	3	Medical Record Science II A HL M412	5		
Medical Terminology A HL M330	2	Directed Practice Experience II A HL M442	6		
Clinical Lectures A HL W374	3				
	<hr/>		<hr/>		
	17		17		

* Electives to be selected by the student.

Allied Health M330 Medical Terminology (2 cr.) Miss GUNN

A study of terms related to all areas of medical science, hospital service, and the paramedical specialties.

Allied Health M321-M322 Hospital Organization and Management I-II (2-2 cr.)

Mr. RIDLEY

General orientation to hospital departments; hospital organization; inter- and intra-relationships within hospital and community agencies.

Allied Health M411-M412 Medical Record Science I-II (5-5 cr.)

Miss GUNN and Staff

A study of the history of medical records, report preparation, quantitative analysis, coding and indexing procedures, research techniques, medical statistics, ethics, methods of securing and preserving medical records, principles and practices for administration of medical record departments, legal aspects and human relations. The second semester includes a seminar on problems encountered in medical record departments and their solutions.

Allied Health M441-M442 Directed Practice Experience and Affiliation Experience I-II (3-6 cr.) Miss GUNN and Staff

Supervised learning experience through which the student develops insight, understanding, and skill in medical record procedures; learns to deal with problems of medical record personnel; accepts responsibilities and recognizes the contribution of and learns to work with other professional and nonprofessional personnel. The last month of the year is spent in an affiliation in the medical record department of another hospital, in or out of Indianapolis.

MEDICAL TECHNOLOGY

Professors Arbogast (Director), Beamer, Culbertson, Vellios; Associate Professors Fisch, Lingeman, Minton, Summers; Assistant Professors Buehl, Samter; Instructors Hocker, Jung, Lehman, Reese, Solow; Lecturers Bailey, Cushman, Dellinger, Dritsas, Gotshall, Jay, Lavis, Lynn, Munden, Swindell, Weisell, Young, Zunk.

The Division of Allied Health Sciences of Indiana University in cooperation with the Clinical Laboratory of the Medical Center, Indianapolis, offers a course of study leading to the degree Bachelor of Science in Medical Technology. Three years of preprofessional courses are followed by the final calendar year in Indianapolis. This four-year training curriculum is complete and comprehensive.

Indiana University Medical Center Hospitals constitute one of the schools approved jointly by the Board of Schools of the American Society of Clinical Pathologists and by the Council on Medical Education of the American Medical Association. The practical work of this curriculum satisfies the requirements of the National Board of Registry of Medical Technologists of the American Society of Clinical Pathologists, both with respect to content of courses and total number of clock hours. After completion of degree requirements, students in this program take an examination given by the Registry to qualify for the certificate issued by the Registry as a Registered Medical Technologist, "M.T.(ASCP)." This certificate is received in addition to the degree Bachelor of Science in Medical Technology given by the Indiana University School of Medicine.

Medical Technology courses are offered in the Junior Division (first year) and in the College of Arts and Sciences (second and third years) on the Bloomington Campus. Refer to the *Bulletin of the College of Arts and Sciences* (obtain from the Office of Records and Admissions, Indiana University, Bloomington, Indiana) for course descriptions. Note particularly the high school prerequisites and allowed credit for Mathematics M105 and M107, the mathematics prerequisites for Chemistry C105.

Courses are chosen so that a minimum total of 90 credit hours (required, plus electives, exclusive of Physical Education and/or Military) is met. Students cannot enter the senior year at Indianapolis Medical Center with less than 90 hours and a cumulative grade average of C. Grades of C or better are required in chemistry and bacteriology courses and in all courses of the 400 series, Medical Center Campus.

The training in the fourth year at the Medical Center Campus in Indianapolis consists of a twelve-calendar-month program (forty hours a week) beginning in mid-August. Credit is given on the basis of two credit hours for a three-week period of 120 hours (five-day, forty-hour week in which alternate Saturdays off allow a more complete laboratory coverage). Near the end of the third year the student's accomplishments are reviewed and an evaluation made. Students who are accepted for the fourth year of practical training send an official transcript of their completed work to the Registrar, P.O. Box 2544, Muncie, Indiana, for evaluation and approval by the Registry of Medical Technologists. The fee for evaluation is \$1.

The required courses in the Medical Technology curriculum are listed with the electives starred (*). Electives recommended for good students are Anatomy A310, Anatomy A464, Zoology Z215, Zoology Z364, Bacteriology B426, and Bacteriology B430. Students wishing to take the latter two electives should complete B310 and B340 in the sophomore year.

FIRST YEAR

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
English Composition W131	2	English Composition W132	2
Zoology Z103	5	Chemistry C105	5
Social Science Area	3	Social Science Area	3
Mathematics M105 or M107 (if required)	5 or 3	Literature, Philosophy, and the Arts	3
Physical Education W100	1	*Classics C209	2
Military (men)	1	Physical Education W100	1
	15 or 17	Military (men)	1
			17

SECOND YEAR

Chemistry C106	5	Chemistry C205	5
Literature, Philosophy, and the Arts	3	*Physiology P204	5
*Anatomy A210	5	*Foreign language elective	5
*Elective	2		15
	15		

THIRD YEAR

Chemistry C341	5	Bacteriology B340	5
Bacteriology B310	5	*Electives	10
*Foreign language elective	5		15
	15		

FOURTH YEAR

(Medical Center Campus)

All courses in the 400 series are on a rotating basis, chiefly laboratory internship in character, and earn credits on the basis of one credit hour per 60 clock hours. A minimum of 2,000 clock hours must be met for certification by the Registry of Medical Technologists. The sequence of courses is so arranged that it meets Registry requirements.

Allied Health C400 Laboratory Practice (Introductory) (1 cr.)

Drs. ARBOGAST and LINGEMAN

Students in this course meet at intervals, chiefly during the early period of training, and a number of laboratory procedures are studied. The subject includes technical procedures and orientation. (Continuation see C480)

Allied Health C401 General Externship I (2 cr.)

Staff

Designed to provide experience in a type hospital (presently Carter) with opportunity for independent work. There is more emphasis on contact with patients.

* Electives to be selected by the student.

Allied Health C402 General Externship II (2 cr.) Staff
Prerequisite, C401. Designed to provide further experience in a type hospital with opportunity for independent work.

Allied Health C403 General Externship III (2 cr.) Staff
Prerequisites, C401 and C402. Designed to provide further experience in a type hospital with opportunity for independent work.

Allied Health C405 Medical Laboratory Records ($\frac{1}{2}$ cr.) Mrs. BAILEY
Required by the Registry. The proper procedure of reporting laboratory results and the method of distribution is stressed throughout the various phases of the work. Actual experience in the office and filing and statistical work conclude this portion of the work.

Allied Health C410 Urine Analysis and Parasitology Practice (2 cr.) Miss LEHMAN
The various examinations comprising the usual routine type of urine analysis are especially stressed. There is a limited amount of experience dealing with special tests on urine. Parasitology varies with the available material.

Microbiology J420 Parasitology for Medical Technologists (2 cr.) Drs. SUMMERS and MINTON
Laboratory procedures and identification of the more frequent parasites of man are emphasized.

Allied Health C431 Hematology I (2 cr.) Miss YOUNG and Staff
Deals with the usual work related to collecting, staining, and counting blood cells, including actual supervised experience with patients in the wards of Riley, Long, and Coleman Hospitals. Experience with specimens of spinal fluid, special determinations (such as platelets and reticulocytes) and pathologic smears is emphasized.

Allied Health C432 Hematology II (2 cr.) Miss YOUNG and Staff
Prerequisite, C431. The progress of students is sometimes faster because of previous experience, but usually a student will take more time than is available in C431. For this reason, C432 and C434 offer more experience in the same techniques and additional techniques such as sedimentation rate, hematocrit, and the figuring of indices.

Allied Health C434 Hematology III (2 cr.) Miss YOUNG and Staff
Prerequisites, C431 and C432. A continuation of practice and experience in hematologic techniques. Individual projects may be assigned if the student is sufficiently advanced.

Allied Health C440 Bacteriology I (2 cr.) Dr. BUEHL and Staff
Diagnostic procedures are used as a means of familiarizing the student with the techniques. Students work on specimens received from hospital patients under supervision. Practical experience is obtained with all types of human specimens for bacteriologic and mycologic study.

Allied Health C441 Bacteriology II (2 cr.) Dr. BUEHL and Staff
Satisfactory progress in C440 is a prerequisite for the continuing study of bacteriological techniques. Various agglutination and precipitin techniques are included since they have special application to agglutination titers and the use of antibiotics. Special assignments are made in order to provide experience with organisms that are encountered infrequently.

Allied Health C442 Bacteriology III (2 cr.) Dr. BUEHL and Staff
Satisfactory progress in C440 and C441 are prerequisites. The student should be able to handle usual and somewhat unusual hospital bacteriologic and mycologic problems independently.

Allied Health C450 Serology I (2 cr.) Miss DRITSAS
Includes the flocculation and also complement fixation types of serologic tests for syphilis, and students acquire familiarity with the Mazzini, Kline, V.D.R.L., and the Kolmer complement fixation tests. Emphasis is placed on reading tests. Lectures and demonstrations, including the cardiolipin antigen and methods for distinguishing false positives, are included.

Allied Health C451 Serology II (2 cr.) Miss DRITSAS
Additional experience in adapting complement fixation, agglutination, hemagglutination, precipitin, and flocculation techniques to diagnostic procedures is offered to those whose proficiency in C450 is satisfactory.

Allied Health C460 Surgical Pathology I (2 cr.) Dr. VELLIOS, Pathology Residents, and Staff
Provides a means of actual experience with surgical specimens removed from patients in the various hospitals and stresses rapid completion of histologic slides for microscopic examination.

Allied Health C461 Surgical Pathology II (2 cr.)

Dr. VELLIOS, Pathology Residents, and Staff

Prerequisite, C460. Additional practice to gain facility in the preparation of histologic slides for microscopic examination. In addition to the hematoxylin and eosin stain, a limited number of special techniques are required, including experience with frozen sections.

Allied Health C471 Clinical Chemistry I (2 cr.)

Mrs. SOLOW, Dr. JUNG, and Staff

Adequate training and experience with the more frequently used chemistry tests, such as determinations of sugar and urea nitrogen, comprise this unit. Both automated and manual methods are practiced.

Allied Health C472 Clinical Chemistry II (2 cr.)

Mrs. SOLOW, Dr. JUNG, and Staff

Satisfactory completion of C471 is a prerequisite. Affords a limited amount of experience with less frequent special procedures.

Allied Health C473 Clinical Chemistry III (2 cr.)

Mrs. SOLOW, Dr. JUNG, and Staff

Satisfactory progress in C471 and C472 is a prerequisite. Special equipment utilization, and the preparation and maintenance of stock and solutions comprise the major portion of this unit.

Allied Health C474 Radioisotopes I (1 cr.)

Mr. REEVES and Miss GOTSHALL

Basic information and techniques applicable to the use of radioactive materials in the clinical laboratory comprise the chief subject material.

Allied Health C475 Radioisotopes II (2 cr.)

Mr. REEVES and Miss GOTSHALL

For advanced students. Provides extended experience and practice with radioactive materials under special supervision. Enrollment must be arranged by conference with the faculty.

Allied Health C476 Chemistry IV (2 cr.)

Dr. LINGEMAN and Mrs. SOLOW

Prerequisites, Clinical Chemistry C471 and C472. Advanced procedures, method developments, special projects are included.

Allied Health C477 Chemistry V (2 cr.)

Staff

Prerequisites, C471 and C472. Training and experience in special micro procedures both technical and methodological.

Allied Health C478 Instrumentation (variable cr.)

Dr. LINGEMAN

Theory and practical work with electronics as applied to instrumentation and as particularly applied to Clinical Chemistry. Credit is variable on the basis of 1 credit hour per each 60 clock hours.

Allied Health C480 Clinical Laboratory Diagnosis (1 cr.)

Dr. ARBOGAST

Represents a continuation of the material in C400 and deals especially with ethics, relation with patients, techniques and the interpretation of results, special equipment, the maintenance of various types of equipment and supplies, and miscellaneous subjects.

Allied Health C483 Specialty Externship I (2 cr.)

Staff

Planned as a means of including special practice in affiliated institutions, for students with proficiency in the required subspecialties of medical technology. Provides individualized electives for special interests.

Allied Health C484 Specialty Externship II (2 cr.)

Staff

Planned as a means of including special practice in affiliated institutions for students with proficiency in the required subspecialties of medical technology. Provides individualized electives for special interests.

Allied Health C485 Specialty Externship III (2 cr.)

Staff

Planned as a means of including special practice in affiliated institutions for students with proficiency in the required subspecialties of medical technology. Provides individualized electives for special interests.

Allied Health C489 Basal Metabolic Techniques (1/2 cr.)

Miss LAVIS

Includes only special theory and techniques. Included is actual experience with various machines. Successful tracings required.

Allied Health C490 Electrocardiographic Technique (1/2 cr.)

Dr. FISCH and Mrs. CUSHMAN

Includes several lectures pertaining to theory and procedure. These are supplemented by actual experience with the apparatus. Successful electrocardiograms are required.

Allied Health C491 Blood Bank I (2 cr.)

Miss HOCKER

Deals with a review of serologic principles and the technical fundamentals of transfusion practice. In addition to comprehensive consideration of blood groups and Rh factors, extensive practice with pre-transfusion techniques and safety practices is provided. Other blood types, antigen-antibody relationships and techniques for demonstrating them are included. An elementary knowledge of genetics is helpful.

Allied Health C492 Blood Bank II (2 cr.)

Miss HOCKER

For those with proficiency in C491. Transfusion service bloods provide problem cases in iso-immunization and sensitization, Rh titration, and other problems. Responsibility for blood bank operation and application to special transfusion problems is placed on the student.

Allied Health C493 Blood Bank III (2 cr.)

Miss HOCKER

Required for students working toward the special certificate in blood banking. A continuation of the material in C491 and C492 with emphasis on supervision, reference techniques, and such accessory functions as plasma production.

OCCUPATIONAL THERAPY

Assistant Professors Ericson (Director), Simek; Instructors Branson, Griffin; Lecturers Bates, Elliott, French, Gallagher, Gentry, Huss, Riekema, Slominski.

Occupational therapy is treatment through activity. It is a means of returning a patient to health through stimulating his own efforts, interests, and will. Just as work and play contribute to the well-being of a healthy person, they become even more vital when illness or injury exists. Often through the stimulus of mental and physical activity a patient's abilities can be regained or improved.

The occupational therapist is an important member of the health team which is composed of the physician, the nurse, the social worker, the psychologist, the physical therapist, and others. The restorative program, planned and carried out by this team working in close collaboration, is the process of rehabilitation. Occupational therapy, as it is employed in the prevention and treatment of disease and disability, makes use of creative and manual arts, recreation and educational activities, and prevocational and self-help pursuits. These activities are directed toward meeting the specific needs and problems of the individual patient. Occupations prescribed as exercise serve to restore strength and motion to muscles and joints, while other more creative activities are used to assist in the mental and emotional adjustment of the patient. Using adaptations of equipment and special techniques for performing everyday activities, the therapist helps the severely disabled patient toward independence in his daily life.

The occupational therapist may work with patients of all ages who have a wide variety of physical and emotional problems. Pediatrics, geriatrics, physical injuries, heart disease, cerebral palsy, poliomyelitis, and mental illness are medical areas long associated with treatment by occupational therapy.

Indiana University offers a curriculum in Occupational Therapy which leads to the degree of Bachelor of Science in Occupational Therapy, awarded by the School of Medicine.

Educational requirements provide for two years of academic work on the Bloomington Campus, the first year in the Junior Division and the second year in the College of Arts and Sciences. The last two years consist of professional and clinical courses taken on the campus of the University Medical Center in Indianapolis, starting in September only. There is a special \$50 fee for the supervision of the clinical internship. The degree is awarded upon the successful completion of all academic and clinical requirements.

Admission Requirements

Bloomington Campus. Students must meet the requirements for admission to the Junior Division. Information concerning these requirements may be obtained from the Office of Records and Admissions, Indiana University, Bloomington, Indiana 47405.

Medical Center Campus. Credit for 60 semester hours of work with a cumulative average of C (2.0) or better. These hours must be apportioned as follows:

	Hours
English Composition	4
Introductory Psychology	6
Abnormal Psychology	3
Zoology (Animal Biology)	4-5
Anthropology	3
Chemistry	4-5
Sociology	6
Literature, Philosophy, and the Arts	6

Credit toward the required 60 hours will not be given for physical education, military training, anatomy, or physiology.

Transfer students must have a transcript of their college record. It must show credit for the above requirements for admission to the Medical Center. This transcript must be submitted to the Associate Registrar for Admissions, Indiana University, Bloomington, Indiana, and subsequently approved by the Director of Occupational Therapy.

A personal interview by appointment with the Director of the Occupational Therapy Program is required. Special arrangements concerning the personal interview will be considered for out-of-state applicants.

Applications for admission to the Occupational Therapy Program are reviewed by the committee composed of the program directors of the Division of Allied Health Sciences. Applicants are selected on the basis of scholarship, character, personality, health, and aptitude for the occupational therapy profession.

A total of nine months' full-time clinical internship is required in the areas of general medicine and surgery, pediatrics, orthopedics, and psychiatry. The summer following the junior year may be utilized to fulfill part of this requirement; the balance or the whole of the requirement follows completion of the final semester of the senior year.

The courses described in this *Bulletin* meet the requirements set forth by the American Occupational Therapy Association and by the Council on Medical Education of the American Medical Association. Graduates of the degree program are eligible for the examination leading to admission to the Registry of Occupational Therapists maintained by the American Occupational Therapy Association. This examination is held throughout the country in January and June of each year. Admission to the Registry is the certification of a therapist to practice.

If at any time a student fails to show aptitude for occupational therapy or to maintain a satisfactory standard of health or general performance, he may be asked to discontinue study in this program.

FIRST YEAR

First Semester	Hours	Second Semester	Hours
English Composition W131	2	English Composition W132	2
Psychology P101	3	Psychology P102	3
Sociology S161	3	Sociology S162	3
*Electives	4	Occupational Therapy	
Physical Education W100	1	Theory I A HL T203	2
Literature, Philosophy, and the Arts	3	*Electives	2
	16	Physical Education W100	1
		Literature, Philosophy, and the Arts	3
			16

* Electives to be selected by the student.

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Psychology P324	3	Chemistry C100	5
Zoology Z103	5	Psychology P420	3
Anthropology	3	*Electives	7
Classics C209	2		—
*Electives	2		15
	15		

Recommended electives for Occupational Therapy include H215, Weaving (3 cr.); S255, Crafts and Design (2 cr.); S163, S164, Pottery I-II (1-1 cr.).

THIRD YEAR

(Medical Center Campus)

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Anatomy D323	5	Physiology F305	5
Kinesiology A HL W376	3	Pathology C477	2
Psychiatry N303	2	Rehabilitation A HL W407	1
Occupational Therapy Theory II A HL T303	2	Therapeutic Techniques II A HL T352	2
Therapeutic Techniques I A HL T351	3	Occupational Therapy Organization and Administration A HL T301	2
Preclinical Subjects A HL P370	2	Occupational Therapy Assessment Techniques I (Psychological) A HL T371	2
	17	Applied Neuroanatomy A HL W324	3
			17

FOURTH YEAR

(Medical Center Campus)

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Personality Development of the Child A HL T381	3	Prevocational Techniques A HL T452	3
Clinical Lectures I A HL W374	3	Occupational Therapy Theory IV A HL T403	4
Clinical Lectures II A HL W471	3	Occupational Therapy Seminar and Literature A HL T406	2
Therapeutic Techniques III A HL T451....	2	Clinical Lectures III A HL W472	2
Statistics A HL H304	2	Activities of Daily Living A HL T454	2
Occupational Therapy Assessment Techniques II (Physical) A HL T471....	3	Clerkship II A HL T405	2
	16		15

Occupational therapy courses in the 300 and 400 series in Indianapolis are open only to students enrolled in the Occupational Therapy Program.

Allied Health T203 Occupational Therapy Theory I (2 cr.) Miss ERICSON

An introduction to the field of occupational therapy with discussion of the various functions of the occupational therapist. Open to all students. (Bloomington Campus)

Allied Health T300 Occupational Therapy History (1 cr.) Staff

An introductory course in the history and trends in the field of occupational therapy. Includes orientation to the various specialties in occupational therapy and the organization of the national and local associations.

Allied Health T301 Occupational Therapy Organization and Administration (2 cr.) Staff

Objectives and principles in the establishment and operation of an occupational therapy department. Particular emphasis on planning, equipping, and maintaining the department. Methods of record keeping and reporting are considered as well as ethical implications and hospital relationships.

Allied Health T303 Occupational Therapy Theory II (2 cr.) Miss GRIFFIN

Discussion of occupational therapy techniques and objectives in the psychiatric field with review of types of psychiatric services and institutions and discussion of the organization of occupational therapy departments associated with these settings.

Allied Health T351 Therapeutic Techniques I (3 cr.) Miss GRIFFIN

Introduction to woodwork and plastics. The care, use, and repair of simple hand and machine tools including safety techniques. An introduction to various materials and the techniques of fabrication.

* Electives to be selected by the student.

Allied Health T352 Therapeutic Techniques II (2 cr.) Miss GALLAGHER
 Needle skills and minor crafts including instruction in knitting, crocheting, embroidery, hand sewing, and basic leather work and a consideration of a number of small craft projects. Course continues to Therapeutic Techniques III.

Allied Health T371 Occupational Therapy Assessment Techniques I: Psychological (2 cr.) Miss GRIFFIN
 Lecture and demonstration course to further the student's knowledge of the assessment of patient behavior in occupational therapy. Methods of interview, observation, recording and evaluation of techniques; relationship of occupational therapy assessment and total treatment planning.

Allied Health T381 Personality Development of the Child (2-3 cr.) Dr. FRENCH
 Traces the psychological, emotional, intellectual, motor, and linguistic development of the human organism from birth to adolescence. Emphasis is placed on casual relationships, and a theoretical framework within which to view child development is presented.

Allied Health T403 Occupational Therapy Theory IV (4 cr.) Miss HUSS
 Discussion of occupational therapy techniques and objectives in the management of neuromuscular disabilities. Analysis of adapted media and prosthetic devices are included. Special emphasis on neuromuscular facilitation techniques.

Allied Health T405 Clerkship II (2 cr.) Miss ERICSON
 Application of current principles and practices of occupational therapy as applied in various departments. A correlation of all previous and concurrent instructions in physical disabilities. Weekly clinical assignments will be followed by a seminar to discuss cases and problems encountered. Case studies of patient application will be assigned.

Allied Health T406 Occupational Therapy Seminar (2 cr.) Miss GRIFFIN
 Designed to provide the students with discussion opportunity in areas of their special interest in occupational therapy and to review journals in the psychiatric and rehabilitation fields.

Allied Health T451 Therapeutic Techniques III (2 cr.) Miss GALLAGHER
 A continuation of Therapeutic Techniques II.

Allied Health T452 Prevocational Techniques (3 cr.) Mr. RIEKENA
 A survey of vocational skills and instruction in methods of job and activity analysis. Under supervision, students evaluate clients, administer tests, and make recommendations for placement.

Allied Health T453 Therapeutic Techniques IV (3 cr.) Staff
 A course designed to supplement as required a student's background in technical skills specifically designed to meet the needs of transfer students.

Allied Health T454 Activities of Daily Living (2 cr.) Miss GRIFFIN
 A laboratory course to acquaint the student with some of the materials, equipment, and techniques to aid the handicapped in attaining maximum self-sufficiency. Consideration is given to special equipment such as slings and wheelchairs. Also includes experience in making and fitting of hand splints.

Allied Health T471 Occupational Therapy Assessment Techniques II: Physical (3 cr.) Mrs. SIMEK
 A lecture and demonstration course to further the student's knowledge of the assessment of patient behavior in occupational therapy. Methods of assessing and reporting joint range of motion and muscle strength through muscle tests are presented.

A minimum of nine months of clinical training is required for registration as an occupational therapist. Students may undertake three months of this training during the summer between the junior and senior years. The remainder is undertaken immediately following the senior year. Students are assigned to various hospitals by the Director.

Allied Health T455 Clinical Training I (2 cr.) Miss ERICSON
 (Three months)

Allied Health T456 Clinical Training II (2 cr.) Miss ERICSON
 (Two months)

Allied Health T457 Clinical Training III (2 cr.) Miss ERICSON
 (Two months)

Allied Health T458 Clinical Training IV (2 cr.) Miss ERICSON
 (Two months)

PHYSICAL THERAPY

Associate Professor Ekstam (Director); Assistant Professor Young; Instructors Diamandidou, Randolph; Lecturers Anderson, Arnold, Babiak, Boger, Cepik, Fredrickson, Gehris, Hagar, Kennedy, Koehneke, Lewis, Paskins, Shannon, Short, Strunk, Winner.

Indiana University offers a curriculum which leads to the degree Bachelor of Science in Physical Therapy, conferred by the School of Medicine.

Educational requirements provide for two years of academic work, the first year in the Junior Division and the second year in the College of Arts and Sciences. The last two years consist of professional and clinical courses taken on the campus of the Indiana University Medical Center in Indianapolis, starting in September only. The degree is awarded upon the successful completion of all academic and clinical requirements.

Admission Requirements

Bloomington Campus. Students must meet the requirements for admission to the Junior Division. Information concerning those requirements may be obtained from the Office of Records and Admissions, Indiana University, Bloomington, Indiana.

Medical Center Campus. Credit for 60 semester hours of work with a cumulative average of C (2.0) or better. These hours must be apportioned as follows:

	Hours
English Composition	4
Literature, Philosophy, and the Arts	6
Sociology	6
Psychology	6
Chemistry	8-10
Zoology	8-10
Physics	5
Greek and Latin Elements in Medical Terminology	2

Credit toward the required 60 hours will not be given for physical education, military training, human anatomy, or physiology.

Transfer students must have a transcript of their college record. It must show credit for the above requirements for admission to the Medical Center. This transcript must be submitted to the Associate Registrar for Admissions, Indiana University, Bloomington, Indiana, and subsequently approved by the Director of the Physical Therapy Program.

A personal interview by appointment with the Director of the Physical Therapy Program is required. Special arrangements concerning the personal interview will be considered for out-of-state applicants. It is strongly advised that students expecting to transfer to the Medical Center arrange for this interview prior to or soon after the beginning of the freshman year. A recommended course of study can be planned at this time. Transfer must be made no later than the beginning of the third year.

Applications for admission to the Physical Therapy Program are reviewed by the Admissions Committee which consists of the program directors of the Division of Allied Health Sciences. Applicants are selected on the basis of scholarship, character, personality, health, and aptitude for the physical therapy profession. Applicants must be under thirty-five years of age. They must also possess good physical and mental health.

The fourth year is a full twelve-month year, beginning in June. The last four months are devoted to clinical education in selected hospitals in Indiana and nearby states where full-time work with patients is done under supervision of registered physical therapists.

In order to comply with the state law in Indiana regarding the practice of physical therapy, it will be necessary to take the examination given by the Indiana State Board of Medical Registration and Examination. Successful results in this examination will entitle the candidate to a physical therapist license enabling him to practice in Indiana or in other states honoring reciprocity with Indiana.

If at any time a student fails to show aptitude for physical therapy or to maintain a satisfactory standard of health or general performance, he may be asked to discontinue study in this program.

Fees

Indiana residents	\$ 11.00 per credit hour
Nonresidents	27.00 per credit hour
Clinical experience (fourth year only)	50.00
Housing (without meals) (approximately)	450.00 per year
Books (approximately)	100.00
Uniforms (including laboratory) (approximately)	70.00
Diploma fee	5.00
Indiana Licensure Examination fee	25.00
Cost of travel to affiliating agencies is paid for by the student.	

The curriculum in the Physical Therapy Program listed below has been reviewed and approved by the Council on Medical Education of the American Medical Association in collaboration with the American Physical Therapy Association.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
English Composition W131	2	English Composition W132	2
Chemistry C101	5	Chemistry C102	5
Psychology P101	3	Psychology P102	3
Physical Education W100	1	Physical Education W100	1
*Electives	2	*Electives	2
Literature, Philosophy, and the Arts	3	Literature, Philosophy, and the Arts	3
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Zoology Z103	5	Physics P100	5
Sociology S161	3	Zoology Z215	5
Classics C209	2	Sociology S162 or S163	3
*Electives	5	Introduction to Physical Therapy	
	15	A HL P204	1
		*Electives	2
			16

THIRD YEAR

(Medical Center Campus)

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Anatomy D323	5	Physiology F305	5
Kinesiology A HL W376	3	Applied Neuroanatomy A HL W324	3
Child Development A HL W373	3	Therapeutic Exercise I A HL P384	2
Preclinical Subjects A HL P370	2	Physical Tests and Measurements	
Hospital Organization and		A HL P382	3
Management I A HL M321	2	Pathology C477	2
	15	Clinical Lectures III A HL W472	2
			17

* Electives to be selected by the student.

INDIANA UNIVERSITY

SUMMER SESSION

(Medical Center Campus—10 weeks)

<i>(6 weeks)</i>	Hours	<i>(4 weeks)</i>
Physical Agents I A HL P461	2	Clinical Experience (Required but no credit given.)
Therapeutic Exercise II A HL P481	3	
History, Administration, and Professional Relationships A HL W478	2	
	7	

FOURTH YEAR

(Medical Center Campus)

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
Applied Physiology A HL P483	2	Clinical Education II A HL P492	8
Clinical Lectures I A HL W374	3		8
Clinical Lectures II A HL W471	3		
Physical Agents II A HL P462	3		
Therapeutic Exercise III A HL P482	3		
Psychopathology N303	2		
Clinical Education I A HL P491	2		
	18		

Physical Therapy courses in the 300 and 400 series in Indianapolis are open only to students enrolled in the Physical Therapy Program.

Allied Health P204 Introduction to Physical Therapy (1 cr.) Mrs. EKSTAM

Designed to introduce the student to the physical therapy profession. Educational requirements, treatment techniques, and professional opportunities are discussed. Open to all students. (Bloomington Campus)

Allied Health P370 Preclinical Subjects (2 cr.) Miss DIAMANDIDOU

Lectures in hospital routine and nursing procedures applicable to physical therapy. Instruction for American Red Cross standard First Aid Certificate is included.

Allied Health P382 Tests and Measurements (Physical) (3 cr.)

Miss YOUNG and Mrs. RANDOLPH

Study of the various methods and devices used in measuring and testing in physical therapy. Lecture and laboratory.

Allied Health P384 Therapeutic Exercise I (2 cr.) Miss DIAMANDIDOU

Detailed study of the application of treatment techniques for specific disabilities, including the practical application of various types of apparatus. Lecture and laboratory.

Allied Health P461 Physical Agents I (2 cr.) Miss YOUNG

Instruction and practice in the application of massage, heat, cold, water, and light. Lecture and laboratory.

Allied Health P462 Physical Agents II (3 cr.) Mrs. RANDOLPH

Instruction and practice in electrical testing and the application of electrotherapy procedures. Lecture and laboratory.

Allied Health P478 History, Administration, and Professional Relationships (2 cr.)

Mrs. EKSTAM

Lectures on historical background of physical therapy, organization and administration, ethical conduct, medico-legal considerations, and professional relationships with allied medical services.

Allied Health P481 Therapeutic Exercise II (3 cr.) Mrs. RANDOLPH

Instruction and practice in ambulation, activities of daily living, and the use of prosthetic and orthotic devices. Lecture and laboratory.

Allied Health P482 Therapeutic Exercise III (3 cr.) Miss DIAMANDIDOU

Introduction to proprioceptive neuromuscular facilitation techniques. Lecture and laboratory.

Allied Health P483 Applied Physiology (2 cr.) Miss YOUNG

Prerequisite, Physiology F305. Lectures on the basic principles of physiology as applied to physical therapy.

Allied Health P491 Clinical Education I (2 cr.) Mrs. EKSTAM
Initial experience in patient treatment in which knowledge and understanding of physical therapy techniques are applied. Lecture and laboratory.

Allied Health P492 Clinical Education II (8 cr.) Mrs. EKSTAM
Advanced experience in patient treatment supervised by registered physical therapists in facilities affiliated with the educational program.

COORDINATED COURSES PRIMARILY FOR OCCUPATIONAL THERAPY AND PHYSICAL THERAPY STUDENTS IN THE DIVISION OF ALLIED HEALTH SCIENCES

Special permission must be secured from the Director, Division of Allied Health Sciences, for audit or enrollment in these courses by students other than those in the Division. This is necessary because of the limited facilities available.

Allied Health M321 Hospital Organization and Management I (2 cr.) Mr. RIDLEY
General orientation to hospital departments; hospital organization; inter- and intra-relationships within hospital and community agencies.

Allied Health W324 Applied Neuroanatomy (3 cr.) Mrs. RANDOLPH
Prerequisite, Anatomy D323. Emphasis is placed on the structure and gross function of the nervous system as a basis for clinical neurology.

Allied Health W373 Child Development (3 cr.) Miss DIAMANDIDOU
The physical, mental, social, and emotional development of children from birth through adolescence. Emphasis is on the development of normal children, although problems of handicapped children will be considered.

Allied Health W376 Kinesiology (3 cr.) Miss YOUNG
Principles of joint and muscle functions; principles of muscle action in various physical activities.

Allied Health W374 Clinical Lectures I (3 cr.) Staff
Lectures in medicine, surgery, and pediatrics.

Allied Health W471 Clinical Lectures II (3 cr.) Staff
Lectures and clinical presentations in the fields of orthopedics and neurology are presented.

Allied Health W472 Clinical Lectures III (2 cr.) Staff
Lectures and clinical presentations in the fields of geriatrics, obstetrics, dermatology, public health, sight and hearing problems.

Allied Health W407 Rehabilitation (1 cr.) Miss GRIFFIN
A survey of the field of rehabilitation including a review of local facilities. Lectures by members of the various specialties contributing to all aspects of rehabilitation. Students attend a case conference of a rehabilitation team.

PUBLIC HEALTH GENERAL COURSES

Allied Health H301 Public Health Organization and Administration (3 cr.) Staff
An introductory course to acquaint the student with the historical background, early development, and objectives of public health; its structure at the federal, state, and local level. Legal and financial aspects, organization, administration, and program content are considered. The function of each professional category of personnel is discussed with emphasis upon community understanding and cooperation.

Allied Health H304 Statistics (2 cr.) Dr. CHASE
Subjects presented include collection, tabulation, and elementary analysis of data; measures of central tendency, measures of variability, tests of significance, and sampling procedures. Prepares the student to draw justified conclusion from numerical data.

Allied Health H490 Research (cr. arr.) Dr. HOPPER and Mr. ADAMS
For advanced students only. Supervised research problems in the field of public health.

PUBLIC HEALTH DENTAL HYGIENE

Dean and Professor Hine; Professors Phillips, Shafer, Starkey, VanHuysen; Associate Professors Adams, Chase, Ping, Standish; Assistant Professors Fisk (Director Dental Hygiene Program), Beck, Norman, Schimmele (Director Indiana-Purdue Regional Campus, Fort Wayne); Instructors Ackerman, Herman, Miller, Totten; Lecturers Bland, Garriott.

In addition, staff includes faculty members of the School of Medicine, the Indiana University Indianapolis Downtown Campus, Indiana-Purdue Regional Campus, Fort Wayne, and the Indiana State Board of Health.

The dental hygienist is the member of the health team who is concerned with the prevention of diseases of the mouth. The dental hygienist studies a professional program which entitles a graduate, upon successful passage of a state board examination, to perform a specific service in the mouths of children and adults, to take and process dental x-rays, to assume duties in the dental office, or to participate as a health worker in federal, state, or local public health programs.

Indiana University offers a program which leads to a certificate in Dental Hygiene and a program which leads to a Bachelor of Science degree in Public Health Dental Hygiene. While the certificate program is adequate to prepare the dental hygienist to perform the tasks which may be assigned in a private dental office, additional knowledge and skills are necessary for positions involving the responsibilities of education and administration. Because of increasing interest among dental hygienists for these opportunities, the degree course is now offered by the Division of Allied Health Sciences of the School of Medicine. The curriculum includes a year of liberal arts courses and a year of public health courses in addition to the Dental Hygiene curriculum. Whether the student is interested in the certificate or the degree program, preference is given to applicants who have completed a year of college prior to admission to the professional school. The liberal arts courses may be taken at any college or university but must be comparable to those offered by Indiana University in order to receive credit. The fourth year is devoted to courses in the major area of public health. The second and third year of the degree program must be taken in the School of Dentistry in Indianapolis or the Indiana-Purdue Regional Campus in Fort Wayne. The fourth year of the degree program must be taken in the Division of Allied Health Sciences of the School of Medicine in Indianapolis. Applicants for the degree who are holding a certificate or a diploma from schools other than Indiana University will be considered for admission on the basis of a review of the individual's records. In accordance with University policy, at least 30 semester hours must be taken in residence.

FIRST YEAR†

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
English Composition W131	2	English Composition W132	2
Government G103	3	Government G104	3
Literature, Philosophy, and the Arts	3	Literature, Philosophy, and the Arts	3
Speech and Theatre S121	2	Sociology S161	3
Physical Education W100	1	Physical Education W100	1
Chemistry C100 or C101	5	*Elective	4
	—		—
	16		16

* Electives to be selected by the student.

† Comparable courses will be accepted from other accredited colleges or universities. A similar program is being offered at the Fort Wayne Regional Campus for the first three years.

SECOND YEAR†

(Medical Center Campus)

Human Biology D Hyg I H100	4	Human Biology D Hyg II H101	4
Dental Anatomy H104	3	Pharmacology and Therapeutics H108	1
Chemistry and Nutrition H105	3	Preventive Dentistry H106	1
Dental Prophylaxis Technique H102	3	Microbiology for Dental Hygienists J107	3
Sociology S309 or Recommended Elective	3	Psychology P101	3
	16	Clinical Practice H103	4
			16

THIRD YEAR†

(Medical Center Campus)

Radiology D Hyg H203	2	Radiology Laboratory D Hyg M203	1
Dental Materials D Hyg H208	2	Technical Writing D Hyg H210	2
Oral Pathology D Hyg H204	2	Public Health Education Methods A HL E443	3
Public Health Organization and Administration A HL H301	3	Practice of Community Dental Hygiene D Hyg H209	2
Psychology P102	3	First Aid H160	1
Clinical Practice I D Hyg H201	5	Clinical Practice II D Hyg H202	5
	17	Principles of Environmental Health A HL S321	3
			17

FOURTH YEAR

(Medical Center Campus)

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
Statistics A HL H304	2	Seminar in Public Health Dentistry A HL D441	2
School Health Education A HL E440	3	Seminar in Public Health Education A HL E445	3
Community Health Education A HL E442	3	Public Health Field Practice A HL D465	5
Clinical Supervision A HL D401	2	Research A HL H490	2
Psychology P324	3	Epidemiology and Occupational Health A HL S406	2
Speech and Theatre S223	2 or 3	Recommended Electives	2 or 3
Recommended Electives	18-19		16-17

*Allied Health D401 Clinical Supervision (2 cr.) Miss FISK
Supervisory experience in the clinics and laboratories involved in teaching students enrolled in the Dental Hygiene curriculum. The student learns to deal with problems incident to patient-student and instructor-student relationships.

Allied Health D441 Public Health Dentistry (2 cr.) Staff
Orientates the dental hygienist to the socio-economic challenges to dentistry. Dental manpower, population trends, utilization rates, and pre- and post-payment plans as related to dental public health programs are presented in detail. Special outside assignments are made requiring both oral and written reports.

Allied Health D465 Public Health Field Practice (5 cr.) Miss FISK
Supervised field training consisting of a five-week assignment with an official health agency. A carefully planned schedule is followed, permitting the student to observe and participate in all phases of dental health.

PUBLIC HEALTH EDUCATION

Professor Hopper (Director); Associate Professors Adams, Chase; Instructor Yoho; Lecturers Bland, Mason, McLelland.

The health educator is concerned with helping people to help themselves through the educational process. The successful health educator must be well grounded in the basic sciences and in the fields of cultural anthropologies, sociology, and govern-

* Admission by permission of the Director of the Dental Hygiene Program, Indiana University School of Dentistry.

† Comparable courses will be accepted from other accredited colleges or universities. A similar program is being offered at the Fort Wayne Regional Campus for the first three years.

ment to allow an understanding of people and society. The student is also required to develop the art of communication, achieve an understanding of the educational process, and acquire a competent knowledge of health programs and subject matter in the applied health sciences to round out his work in the Public Health Education Program. The health educator practices his profession as a member of the public health team which is composed of physicians, dentists, nurses, sanitary engineers, sanitarians, and public health statisticians. He contributes a special skill in education which serves to promote health and prevent disease. His duties in a particular case may entail working with individuals or through group action, and he is prepared to use many varied methods of communication.

Students interested in this health field should follow the curriculum pattern indicated. Prior to coming to the Medical Center Campus a student must have completed a minimum of 90 semester hours of credit with an accumulative average of C (2.0) or better.

Actual field practice is a requirement for completion of the program. Ten semester hours of credit are required in the latter part of the second semester of the senior year and consist of supervised practical experience with state and local departments of public health.

FIRST YEAR

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
English Composition W131	2	English Composition W132	2
Chemistry C100	5	Zoology Z103	5
Literature, Philosophy, and the Arts	3	Literature, Philosophy, and the Arts	3
*Electives	4	*Electives	4
Physical Education	1	Physical Education	1
Military	1	Military	1
	16		16

SECOND YEAR

Psychology P101	3	Psychology P102	3
Sociology S161	3	Sociology S163	3
Speech S121	2	Speech S223	3
*Electives	7	*Journalism J327	3
Military	1	*Electives	3
	16	Military	1
			16

THIRD YEAR

(Bloomington Campus)

Bacteriology B200	3	Physiology P204	5
Bacteriology B205	2	Government G104	3
Government G103	3	Sociology S309	3
Psychology P234	3	*Radio and Television R204	3
*Electives	3	*Anthropology A303	3
	14		17

FOURTH YEAR

(Medical Center Campus)

Public Health Organization and Administration A HL H301	3	Public Health Education Methods H HL E443	3
Statistics A HL H304	2	Seminar in Public Health Education A HL E445	3
Environmental Sanitation A HL S321	3	Public Health Field Practice A HL E465	10
Epidemiology and Occupational Health A HL S408	2		16
School Health Education A HL E440	3		
Community Health Education A HL E442	3		
	16		

* Electives to be selected by the student.

Allied Health E400 Public Health Education (3 cr.) Staff

An introductory course to acquaint the student with the history, philosophy, and principles of public health education. Methods, techniques, and processes to prevent community health imbalance as applied through public health efforts are discussed, interpreted, and evaluated. Various procedures are studied which involve the development of practices to motivate the individual or groups to participate directly or indirectly toward positive health action within the community.

Allied Health E440 School Health Education (3 cr.) Dr. BLAND

The school health movement, including the development, present day policies, programs, and problems. Consideration of the principles basic to organization, administration, and supervision of school health programs in elementary and secondary schools. Health services, environmental factors, communicable disease control, health instruction, and hygiene of the school day.

Allied Health E442 Community Health Education (3 cr.) Mr. MASON

An intensive study of social, psychological, economic, and cultural factors that influence the successful application of the health sciences. Programs are analyzed in relation to these factors. The relationship between different public health workers and agencies as well as the techniques employed are covered.

Allied Health E443 Public Health Education Methods (3 cr.) Mr. McLELLAND

Devoted to a consideration of the more usual techniques of group work together with investigations of the social and psychological factors which determine the effectiveness of group work in promoting public health activities; and a study of the tools and procedures necessary for health education work. Laboratory time provides an opportunity for gaining competence in group work and in the design, construction, and use of materials.

Allied Health E445 Seminar in Public Health Education (3 cr.) Dr. YOHO and Staff

Problems and trends in health education associated with philosophy, administration, relationships, programs, and methods. Current periodicals are utilized in developing an ability to evaluate critically.

Allied Health E465 Public Health Field Practice (10 cr.) Mr. McLELLAND

Supervised field training on a full-time basis for ten weeks in selected official and voluntary health agencies. The students assist in planning and conducting health education activities on both the state and local level.

Allied Health E492 Public Health Nutrition (2 cr.) Staff

Designed to give the students an understanding of the basic principles of nutrition. Includes lectures and laboratory sessions designed to consider such areas as: technical knowledge relating to dietary standards, physiological effects of metabolism, and the public health aspects of food control. The course is planned to help the student gain an understanding of the nutritional needs for healthful living, to develop a better appreciation of the science of nutrition, and to acquire sufficient fundamental knowledge of nutrition to help him meet personal and professional requirements.

PUBLIC HEALTH-ENVIRONMENTAL HEALTH

Professor Hopper; Associate Professors Adams (Director), Chase, Summers; Assistant Professor Spolyar; Lecturers Fassnacht, Fisher, Hert, Keppler, Marshall, McCowen, Mayo, Poole.

Environmental health is a branch of the biological sciences dealing directly with the health aspects of man's physical surroundings. Its purpose is two fold: (1) the control of conditions under which man lives so that hazards leading to disease and injury can be eliminated; (2) the teaching of hygiene and the principles of sanitation to the general public and to others whose activities deal with water, food, air, radiological health, community wastes, and shelter. Laws and regulations also are involved as they pertain to the needs of community health protection.

During the academic year students majoring in this specialty are given instruction and training in the several phases of this science (see fourth-year curriculum). Academic work is supplemented with supervised field observation relating to the phase under study.

Actual field practice is a requirement for completion of the course. Ten credit hours, in the latter part of the second semester, consisting of nine weeks of supervised

practical experience with state and local departments of public health must be completed.

Upon graduation students become eligible to take examinations as registered professional sanitarians under laws now in effect in Indiana and 24 other states. Graduates are also eligible to take federal, state, and local examinations for civil service positions in governmental public health agencies. In addition, industry and commerce offer employment to persons completing work in this speciality.

Admission Requirements

Medical Center. To be admitted to the Medical Center the student must have credit for 90 semester hours of work with a cumulative average of C (2.0) or better. These hours must be apportioned as follows:

	Hours
English Composition	4
Chemistry	10
Mathematics	7 or 9
Physics	5
Government	9
Literature, Philosophy, and the Arts	6
Physical Education	2
Military	4
Zoology (Animal Biology)	5
Physiology	5
Bacteriology	5
Speech	5
Psychology	3
Anthropology	3
Sociology	9
Electives	13 or 15

Transfer students must have a transcript of their college record. It must show credit for the requirements previously listed for admission to the program. Transcripts must be submitted to the Associate Registrar for Admissions, Indiana University, Bloomington, Indiana, and subsequently approved by the Director of the Program.

It is advisable that students planning to transfer to the Medical School for this course submit their proposed schedule of studies to the Program Director for each semester during the sophomore and junior years to insure the inclusion of all prerequisites.

FIRST YEAR			
<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
English Composition W131	2	English Composition W132	2
Chemistry C101	5	Chemistry C102	5
Mathematics M105 or M107	5 or 3	Speech S121	2
Literature, Philosophy, and the Arts	3	Literature, Philosophy, and the Arts	3
Physical Education	1	Mathematics M113	2
Military	1	Physical Education	1
	17 or 15	Military	1
			16
SECOND YEAR			
Government G103	3	Physics P100	5
Psychology P101	3	Anthropology A103	3
Sociology S161	3	Sociology S163	3
Zoology Z103	5	*Electives	2
Comparative Literature C225	2	Military	1
Military	1		14
	17		

* Electives to be selected by the student.

THIRD YEAR

Bacteriology B200	3	Physiology P204	5
Bacteriology B205	2	Government G321	3
Speech S223	3	Sociology S309	3
*Electives	8	*Electives	5
	<hr/>		<hr/>
	16		16

FOURTH YEAR

(Medical Center Campus)

Public Health Organization and Administration A HL H301	3	Parasitology and Entomology A HL S423	3
Statistics A HL H304	2	Public Health Education Methods A HL E443	3
Environmental Health A HL S321	3	Public Health Field Practice A HL E465	10
Epidemiology and Occupational Health A HL S408	2		<hr/>
Food and Dairy Technology A HL S428	2		16
Sanitary and Legal Control of Milk and Foods A HL S430	2		
Elements of Water and Sewage A HL S432	2		
	<hr/>		
	16		

Allied Health S321 Principles of Environmental Health (3 cr.)

Dr. HOPPER and Mr. ADAMS

A survey course to acquaint the student with the broad objectives of environmental health control through the application of sanitary procedures on a community-wide basis. The control of water supplies, sewage systems, solid waste handling, air hygiene, food and milk sanitation, housing, radiological health, and the legal and administrative phases are studied and discussed in the light of their influence on man's health. Laboratory periods in sanitary chemistry and bacteriology are included to correlate with certain portions of the lecture material.

Allied Health S408 Epidemiology and Occupational Health (2 cr.)

Drs. MARSHALL and SPOLYAR, and Mr. KEPPLER

A series of lectures covering the cause, mode of transmission, and methods of prevention used in the control of common communicable diseases. Isolation, quarantine, immunization, and prophylactic measures are presented to give the student an appreciation of modern preventive medicine. Industrial and occupational hazards are discussed involving dangers from dusts, toxic fumes, and gases. Occupational hygiene involving protective devices and measures are considered in terms of employee protection.

Allied Health S423 Parasitology and Entomology (3 cr.)

Staff

A general survey of the parasites and insects of public health importance affecting man. Consideration is given to the etiology and epidemiology of parasitic diseases and to insect carriers of disease. Included are laboratory exercises in the identification of insects as well as a study of control measures and the use of modern insecticides. Rodents as disease vectors are also considered along with control measures and the use of rodenticides.

Allied Health S428 Food and Dairy Technology (2 cr.) Mr. ADAMS and Mr. FISHER

Designed to teach the fundamentals of food and dairy technology and to acquaint the student with the processing techniques. Consideration is given to canning, baking, meat and meat products, and frozen foods. The processing of dairy products such as butter, ice cream, cheese, and evaporated milk are given detailed consideration. Field trips are made to food and dairy products plants for observation of equipment and methods employed. Legal definitions of the various products are reviewed and control problems applicable to various processes are considered.

Allied Health S430 Sanitary and Legal Control of Milk and Foods (2 cr.)

Mr. ADAMS and Mr. FISHER

Consideration is given to legal and sanitary requirements for the retail sale of food and milk. Pure food laws are given close attention. Sanitary requirements for eating and drinking establishments, groceries and markets, and similar retail outlets are studied. The production and processing of fluid milk, including pasteurization, is covered. Field observation consists of visits to various retail establishments to acquaint the student with practical control problems.

* Electives to be selected by the student.

Allied Health S432 Elements of Water and Sewage (2 cr.)**Mr. FASSNACHT and Mr. HERT**

Covers basic principles of water supply location, construction, installation, and operation. The epidemiology of water is discussed, including interpretation of laboratory examination of water. Sewage disposal includes consideration of private installations, problems associated with absorptive ability of soils and currently used methods for sanitary disposal. The use of larger facilities for sewage treatment at schools, institutions, and at housing developments is included. Solid waste disposal involving incineration and sanitary land fill systems are considered.

Allied Health S465 Public Health Field Practice (10 cr.)**Mr. ADAMS and Mr. MAYO**

Supervised field training consisting of a nine-week assignment with a local health department or with a branch office of the Indiana State Board of Health. A carefully planned schedule is followed, permitting the student to observe and participate in many phases of environmental health control problems.

PUBLIC HEALTH ADMINISTRATION

Professor Hopper (Director); Associate Professor Adams; Assistant Professors Spolyar, Offutt, Ridley; Instructor Yoho; Lecturers Bland, Fisher; Staff from the Indiana University School of Business; Advisory Council from Governmental and Voluntary Health, Hospital, Insurance, and Management Agencies.

The Division of Allied Health Sciences of the School of Medicine of Indiana University in cooperation with the Indiana University School of Business offers a course of study leading to the B.S. degree in Public Health with a major in Health Administration. Candidates for this degree must complete three years of preprofessional business courses on the Bloomington Campus as outlined in the Core Curriculum of the School of Business, including the Comprehensive Business Examination.

See the *Bulletin of the School of Business* for further details. Note the two changes which have been made in the Core Curriculum. One concerns the requirement of Bacteriology 200 and Bacteriology 205 in Laboratory Science for the Health Administration curriculum, while the other relates to an elective in place of Business M301, Principles of Marketing I, which is not required for Health Administration.

The senior year is taken at the Medical Center in Indianapolis and includes nine weeks of affiliation or field training in some phase of health administration work. Depending upon the interests of the student and the availability of places, the field training is arranged at a governmental or a voluntary agency concerned with health insurance plans, public health departments, hospitals, nursing homes, or organizations such as the Indiana Heart Association or Indiana Cancer Association. Graduates are eligible for advanced study in public health or hospital administration at a school of public health.

There is a challenging future for business-oriented personnel in medical administrative procedures. Health, in its many and varied aspects, has expanded so rapidly, that major policy issues involving budgets, insurance, law, and general management require trained people who can assist the physician in these areas. Health departments at state, county, and city levels offer splendid opportunities for administrative practice in the development of standards and in professional staff training and evaluation. In addition, there are the voluntary health agencies which have awakened the public to the tremendous demands for knowledge and action in health matters and which offer attractive positions to those trained in management skills. Other fields include health and hospital insurance plans, county medical societies, nursing homes, and hospitals. Health is personal as well as public; it is dynamic and ranks high on the list of what might be called big business. For students who like to work with others, for students who want variety and challenge in their work, and for students who can make decisions, Health Administration is a field with a wide horizon and a bright future.

Admission Requirements

Medical Center. To be admitted to the Medical Center Campus the student must have credit for 90 semester hours of academic work with a cumulative average of C (2.0) or better.

Transfer students must have a transcript of their college record. It must show credit for the requirements previously listed for admission to the program. Transcripts must be submitted to the Associate Registrar for Admissions, Indiana University, Bloomington, Indiana, and subsequently approved by the Director of the Program.

It is advisable that students planning to transfer to the Medical Center Campus for this course submit their proposed schedule of studies to the Program Director for each semester during the sophomore and junior years to insure the inclusion of all prerequisites.

Allied Health B401 Introduction to Hospital Administration I (3 cr.)

Mr. RIDLEY

General orientation to hospital departments, hospital organization, board of trustees, medical staff, administration, the concept of management in a public service enterprise.

Allied Health B402 Introduction to Hospital Administration II (3 cr.)

Mr. RIDLEY

The role of the hospital in the community, hospital goals and programs, coordination of hospital departments, managerial evaluation and improvement, relationships to official and voluntary health agencies.

Allied Health B421 Management in Health Organizations I (3 cr.)

Staff

Intensive analysis of major policy issues in the management of health organizations; establishment of need as a basis for proposal and budget; setting of standards; development of programs.

Allied Health B422 Management in Health Organizations II (3 cr.)

Staff

Executive and professional staff responsibilities and development; evaluation and utilization of quantitative data collected for management; internal communication and control; emphasis on decision-making process in evaluation and reappraisal.

Allied Health B411-B412 Nursing Home Administration I and II (3-3 cr.)

Dr. HOPPER

Nursing home regulations, legal aspects, and insurance; personnel management; medical records; diet and food service; rehabilitation; nursing services; psychiatric aspects in handling of geriatric patients; professional standards; use of volunteer groups.

Allied Health B465 Field Practice (10 cr.)

Dr. HOPPER

Supervised field training consisting of nine weeks in administrative practice in a voluntary or official health-related agency. A carefully planned schedule permits the student to participate in various phases of health administration at the management level.

X-RAY TECHNOLOGY

Professors Campbell, Loehr; Associate Professors Helmen, Miller; Assistant Professors Kurlander, Peterson, Tosick; Instructors Ewton, Reese; Teaching Associate Gloré.

College students or graduates of approved high schools are eligible for admission to this two-year course, if they are at least eighteen years of age. Students are selected for the course on the basis of their previous educational qualifications and their basic aptitude as determined at the time of personal interview in the Department of Radiology.

Applications for this training program should be filed with the Department of Radiology of Indiana University School of Medicine before May 15, and are processed in the order received. The course will not give the student credit toward a University degree. New classes begin each September. Each new class is limited to a maximum of twenty-five students. At the end of the second year, students take the examination of the American Registry of Radiologic Technologists.

The curriculum at the Indiana University Medical Center, outlined below, follows a definite pattern designed to train the technician to become adept in the performance of any technical medical radiological procedure within the admitted limitations of the ethical and medico-legal aspects of his training. The training of the student begins with those principles which are fundamental to the medical profession. Integrated with this are the varied courses in radiological principles and technological procedure. Complete correlation of the clinical aspects of training is provided during the second year by daily work assignments in the different radiographic, therapeutic, isotope, and administrative divisions of the departments of the University Hospitals making up the Medical Center.

The students must maintain themselves and buy books and uniforms. The required books cost approximately \$70. School uniforms, costing about \$100, are to be worn with white shoes and hose. The tuition is \$280 for the complete course. A deposit is required at the time the applicant is accepted in the course.

Medical Center Campus

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
Anatomy and Physiology R902	3	History and Ethics R904	2
Medical Terminology R903	1	Radiation Therapy R945	2
Surgery and Portables R905	1	Advanced Radiographic Technique R950	3
Darkroom Chemistry R915	1	Formulating Technique R955	3
Office Procedures R920	1	Principles of Radiology II R975	3
Nursing Procedures R930	1	Radioactive Isotope Procedure R980	1
Basic Roentgenographic Technique R935	3	Pathology R985	2
Principles of Radiology R940	2		
Principles of Radiology Lab R940	1		
Physics R900	2		

*COURSES FROM DEPARTMENTS OF THE SCHOOL OF MEDICINE

Anatomy D323 Anatomy (5 cr.) Staff
Gross human anatomy for students in physical therapy and occupational therapy. Predissected material prepared by the staff of the department is utilized.

Microbiology J420 Parasitology for Medical Technologists (2 cr.)
Drs. SUMMERS and MINTON
Required course for medical technologists; laboratory procedures and identification of the larger parasites of man are emphasized.

Pathology C477 Pathology (2 cr.) Staff
Lectures on the basic principles of pathology and study of various diseased tissues of the body.

Physiology F305 Human Physiology (5 cr.) Staff
For students in physical therapy and occupational therapy. A one-semester lecture and laboratory course in animal and human physiology, covering neuromuscular system, respiratory, circulation, digestion, metabolism, excretion, and endocrines. Major emphasis in the laboratory work will be concerned with exercises and demonstrations on neurophysiology and the physiology of muscular activity.

Psychiatry N303 Psychopathology (2 cr.) Staff
Deals with emotional stress and the resultant defense mechanisms. Organic brain syndromes, schizophrenic reactions, and psychoneurotic disorders are presented through lecture and case presentations.

Psychiatry N306 Clinical Psychopathology (1 cr.) Miss ERICSON
Presents the clinical aspects of deviant behavior through discussion, films, case studies, and hospital visits.

* Specific permission by the Director, Division of Allied Health Sciences, is required for audit or enrollment in these courses by students other than those in the Division of Allied Health Sciences. This is necessary because of the limited facilities available.

COURSES FROM THE INDIANA UNIVERSITY INDIANAPOLIS DOWNTOWN CAMPUS

Students in the Division of Allied Health Sciences wishing to enroll in courses offered at the Indiana University Indianapolis Downtown Campus must give four weeks' advance notice to the Division Office.

Business C300 Office Management and Administration I (2 cr.)

Covers principles of scientific office management and its responsibilities for office services, layout and space utilization, office furniture and equipment, machines and appliances, branch office management, office unions and personnel problems, training of office workers, office costs, and methods and procedures.

Business W300 Principles of Management and Administration (3 cr.)

Prerequisites, Economics E201-202. Designed to prepare students in the fundamentals of all phases of administrative staff and operative management. Successful management principles and techniques are given for all fields of business, including business objectives, policies, functions, executive leadership, organization structure and morale, operative procedures, and control procedures.

Business J340 Personnel Management (3 cr.)

Prerequisites, P300 or permission of instructor. Deals with objectives, functions, and organization of typical personnel programs. Includes problems involved in personnel administration, emphasizing job analysis, job evaluation, selection and placement, education and training, safety and health, employee services, employee relations, administration of wages and hours, labor legislation, and personnel research.

Classics C209 Greek and Latin Elements in Medical Terminology (2 cr.)

The study of a basic vocabulary of some 1,000 words together with materials for the formation of compounds enables the student to build up a working vocabulary of several thousand words. Designed for those intending to specialize in medicine, nursing, dentistry, and bacteriology. (Not always available at the Indianapolis Downtown Campus.)

Government G103 Introduction to American Government I (3 cr.)

A brief introduction to the nature of government and its various forms and to modern theories of its function, followed by a specific treatment of the origin and nature of the American federal system and its present political party base.

Government G104 Introduction to American Government II (3 cr.)

Prerequisite, G103. The study of the structure and function of the American national, state, and local government.

Government G321 The Government and Administration of Urban Communities (3 cr.)

Prerequisites, G103-104 or consent of instructor. Organization, functions, legal status, and means of popular participation and control of government in urban areas, especially in the United States. Major emphasis is placed on the political effects of the dynamic changes taking place in the nature of urban problems, institutions, and social values.

Psychology P101 Introductory Psychology I (3 cr.)

A systematic introduction to psychology as a behavioral science; its methods, data, and theoretical interpretations; applications to the understanding and control of individual and social behavior.

Psychology P102 Introductory Psychology II (3 cr.)

Prerequisite, P101. The field of experimental psychology with special emphasis on empirical research and theory in the areas of learning, psychophysiology, and sensory psychology.

Psychology P234 Mental Hygiene (3 cr.)

Prerequisite, three hours of psychology. Discussion of human behavior disorders and hypotheses concerning their etiology and treatment, emphasizing prevention. Credit will not be granted for both P234 and P324.

Psychology P324 Abnormal Psychology (3 cr.)

Prerequisite, five hours of psychology. A first course in the field of abnormal psychology with emphasis upon forms of abnormal behavior, etiology, developmental course, interpretations, and final manifestations. Credit will not be granted for both P234 and P324.

Sociology S309 The Community (3 cr.)

Characteristics of urban, suburban, and rural communities, especially in America; ecological analysis of community and neighborhood structure and organization; sociological aspects of housing and land utilization; human behavior in the community; patterns of community growth; and community planning.

Sociology S335 Race and Ethnic Relations (3 cr.)

Prerequisite, six hours of sociology. Racial and cultural contacts, especially in America; factors which determine the rate and manner of assimilation; cultural pluralism; theories and conceptual analysis of prejudice; comparative examination of systems of diverse race relations in different parts of the world.

Speech and Theatre S121 Public Speaking I (2 cr.)

The theory and practice of public speaking, giving training in thought processes necessary to organized speech content, personality, components of effective delivery, and the use of voice, body, and language. Class number is limited.

Speech and Theatre S223 Business and Professional Speaking (3 cr.)

Experience in the preparation and presentation of types of speeches frequently made in the business and professional occupations: oral report, argumentative, followed by questions from audience, persuasive, and group discussion. A portion of the course is devoted to practice in parliamentary procedures.

INDIANA UNIVERSITY