



Summer Sessions 1976

Indiana University of Pennsylvania

ELG. 300



503.3 SUMMER SESSIONS 1976

INDIANA UNIVERSITY OF PENNSYLVANIA

Indiana University of Pennsylvania will offer three sessions in the summer of 1976, two of three weeks each and one of six weeks. The pre-session will begin on Monday, June 7 and extend through Friday, June 25. The main summer session starts June 28 and extends through August 5. The post-session begins August 9 and continues through August 27.

In the pre and post sessions a student may enroll in a **maximum** of either one course or three semester hours of credit. In the main session a student may enroll in a **maximum** of either two courses or six semester hours of credit, **plus** a one credit physical activity course.

Indiana University of Pennsylvania is committed to affirmative action to assure equal opportunity for all persons, regardless of race, color, religion, national origin, ancestry, or sex and welcomes qualified students, faculty and staff from all such groups.

OBJECTIVES OF THE SUMMER SCHOOL

The summer school program at IUP is designed to meet the needs of many students. Courses, workshops and seminars will be offered in the liberal arts, in teacher education, and in other fields of study.

Regular university students, including newly admitted freshmen, who wish to accelerate their program of studies will find both general education and special courses in all fields of study.

Indiana students are given until the end of the Main summer session to achieve their required quality point average. For freshmen the QPA requirement is 1.8; upperclassmen are required to achieve a 2.0 average. If a student does not attain the required quality point average he will be asked to leave the university for one academic year. There is no flexibility of this policy. Anything less than 1.8 for freshmen, or 2.0 for upperclassmen will not be considered adequate for continuance in the university.

In the event a regular Indiana student achieves the necessary average by the end of the Post session, he may reapply for readmission for the spring semester.

Students from other colleges and universities may take courses at IUP which is accredited by the Middle States Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education. IUP credits are recognized by other accredited colleges and universities. Students from other colleges who attend IUP in the summer should request the IUP Registrar to send a transcript of the credits they earn to their respective institutions.

Teachers-in-service will find courses in the summer program to serve a variety of needs. They may take work to qualify for permanent certification, take refresher courses in their field of specialization, or take courses for the purpose of extending their certification to a new field.

Veteran Benefits. Veterans, and sons and daughters of veterans who are eligible for education benefits should complete the proper forms in the office of the Veterans Counselor, Pratt Hall 203, at the beginning of the summer session.

Individuals other than the foregoing will be admitted to summer school to take any of the courses offered and participate in the workshops and seminars. However, they are not considered matriculating students.

PROGRAM FOR HIGH SCHOOL JUNIORS

Honor students who have completed the junior year of high school with at least a B average in all college entrance subjects taken in the sophomore and junior years may preview university life and earn regular college credit by enrolling in two or three lower division courses. Students seeking admission to this program should write to the Registrar for further details.

ELIGIBILITY AND ADMISSION

Admission to the Summer School program in no way implies assured admission toward a degree at IUP. Credits taken in the summer months, however, are applicable toward degree programs and are transferable to other institutions. Acceptance of summer credits at other institutions will depend upon the consent of these institutions. High school graduates not officially admitted to IUP may take summer work as a special student with the understanding that it would constitute college credit but not acceptance as a degree candidate.

CALENDAR
Pre-Session
On Campus Registration and classes begin . . . Monday, June 7*
Session ends Friday, June 25
Main Session
On Campus Registration Monday, June 28
Classes begin Tuesday, June 29
Legal holiday Monday, July 5
Session Ends Thursday, August 5
Post-Session
On Campus Registration and classes begin. . Monday, August 9*
Session ends Friday, August 27
<small>*In Pre and Post sessions the first class will be held on the same day as registration but at a special time. Classes which normally meet at 8:00 a.m. will meet at 1:00 p.m. and those which normally meet at 9:30 a.m. will be at 2:00 p.m. on day of registration only. Saturday classes have been discontinued during the summer session, EXCEPT as noted in the schedule of courses.</small>

READMISSION POLICY

Indiana students who had been dismissed for academic reasons and who were not in attendance during the academic year 1975–76 are required to apply for readmission to Indiana as a regular student. This application must be filed with the dean of the IUP school in which they were enrolled by **April 1, 1976**. The attainment of the **required quality point average** for readmission **must be completed** by the end of the main summer session 1976 in order to qualify for readmission status for the 1976–77 academic year.

SCHEDULING

A summer sessions application form (last page of this catalog) and course request cards have been included with this bulletin on which you may apply and indicate your course interests and needs. All courses listed in the Class Schedules (pages 9–15) will be offered if there are ten or more students enrolled. Additional sections of a course will be opened if the need indicates. Descriptions of most of the courses listed in the Class Schedule may be found in the Undergraduate Catalog.

Receipt of the application forms and course request cards will assure you a place in the summer school and serve as the basis for assessment of your fees.

Please return the course request cards along with the other materials to the Office of the Registrar, Clark Hall, IUP, by **May 6, 1976** if you will begin in the pre-session; by **May 28, 1976** if you will begin in the **main session**; and by **July 9, 1976** if you will attend only the **post-session**.

Students who submit an application form and course request card or cards before the above deadlines will receive **final scheduling materials and fee statements in the mail at their home addresses before each session begins**.

FEES (Subject to change)

Contingent Fee:

All Schools: \$33.00 per semester hour.

Out-of-state students: \$60.00 per semester hour of credit.

Other Fees:

Degree Fee: to be paid only by those who graduate at the end of the summer session, \$5.00.

Approximate expenses for books: \$15.00 to \$40.00.

Room and Board Fees: The fee for room and board in university housing single occupancy, will be approximately \$37.00, double occupancy — \$30.00 per week. Housing fees for private dormitories vary.

Late Registration Fee: A student who registers after the date officially set for registration will pay an additional fee of \$1.00 per day until the student is in regular attendance. Even with the payment of a late fee **no registration will be accepted after the second day of the pre and post sessions and after the fourth day of the main session.**

Activity Fee: The activity fee for the regular summer session is \$10.50 and \$5.25 for the pre and the post session.

How to Pay Fees: All fees, except the degree fee, are to be paid at the time of final scheduling.

Change in Fees: The foregoing fees are subject to change without notice.

FINAL SCHEDULING AND FEE REQUIREMENT

All students are required to attend final scheduling at the Memorial Field House on the following dates, according to their assigned appointment times:

Pre-Session — Monday, June 7, 1976

Main Session — Monday, June 28, 1976

Post Session — Monday, August 9, 1976

Students must be prepared to do the following at final scheduling:

1. Process their schedules.
2. Arrange for meals and housing if not previously assigned.
3. **PAY ALL FEES IN FULL.**

All questions pertaining to fees, class schedules, and room assignments must be settled at final scheduling so that classes may operate on a full time basis the following day. Those wishing credits evaluated should see the dean of the school in which they are enrolled.

Bad Check Charge: Students making checks payable to "Indiana University of Pennsylvania" which are not acceptable to the bank because of insufficient funds will be charged \$10 for each bad check.

WITHDRAWAL—REFUND POLICIES

A student may withdraw from a course or courses within the time periods specified for each summer session provided he completes an appropriate withdrawal form (available in departmental offices) for each course. In each case a grade of "W" will be assigned by the instructor on the grade card submitted at the conclusion of the session. Appropriate withdrawal does not guarantee a refund of fees paid.

*Pre and Post Session First four days

*Main Session First eight days

*Subject to interpretation of the Director of Summer Sessions.

No portion of summer school fees will be refunded.

Complete University withdrawal should be initiated in the Student Affairs Office, 203 Pratt Hall.

FINANCIAL AID

A limited amount of financial aid may be available to full-time summer session students. Any student interested in this possibility should contact the Director of Financial Aid, Third Floor, Pratt Hall, for further information. Deadline for filing applications is April 1, 1976.

ROOM RESERVATION

All students who wish to live in University residence halls for summer sessions must complete a Residence Hall Application FOR EACH SESSION they will require housing. Applications can be obtained by contacting the Housing Office, John Sutton Hall (412-357-2696), and should be returned according to the following dates:

- Pre — May 6
- Main — May 28
- Post — July 9

CANCELLATION OF ROOM RESERVATION

Should it become necessary to cancel a room reservation, the Housing Office should be notified, in writing, at the earliest possible date.

OFF CAMPUS HOUSING

Listings of apartments and other off-campus housing facilities are available in the Housing Office.

RESIDENCE HALL CHECK-IN

Residence halls will be open for student check-in the Sunday before each session (i.e. June 6, June 27, August 8) at 2 p.m. All students should report directly to the residence manager of the building to which they have been assigned. For the pre-session, it is suggested that presently enrolled students check-in between 6 p.m. and 9 p.m. to allow for check-in of Summer-January freshmen.

FOOD SERVICE

Any students residing in privately owned facilities who want to take meals on campus may contract for same with the Housing Office (412-357-2696/7).

There are three meal plans offered at the University:

- Plan A — *21 meals per week
- Plan B — *15 meals Monday through Friday
- Plan C — *Any 15 meals over 7 days

*(1 breakfast, 1 lunch, 1 dinner each day)

Students taking food service will be issued a meal card during arena registration. This meal card will be re-issued for each session.

ADDRESS INFORMATION

All students are required to complete an "Address Information Card" at the arena registration for each session. Any changes in off campus addresses or telephone numbers should be reported to the Housing Office.

STUDENT ADVISORY SERVICES

All regular students attending the summer sessions, or those students who enrolled in the summer sessions and who have been admitted as degree candidates to IUP are requested to consult the deans of their respective schools if their department chairmen and/or advisers are not available during the summer. Advice and counsel should be sought in regard to the following matters: planning summer school program; revising summer school program; determining academic standing; determining graduation requirements; making a request for refunds.

Summer-January entrants will be assigned advisers on the basis of the department they will enter. These advisers will function on a temporary basis during the summer until the January semester of the freshman year. It is the responsibility of the Summer-January entrants to meet with their advisers on each of the "Meet Your Adviser Days" so designated on summer calendar bulletins, etc. All Summer-January freshmen are required to attend all activities sponsored by the university for entering Summer-January students.

UNIVERSITY REGULATIONS

All rules and regulations of the university apply during the summer sessions.

CLASS HOURS

During the pre and post sessions some classes will begin at 8:00 a.m., run to 9:30 and then resume at 11:30 and run to 1:00 o'clock. Others will begin at 9:45 a.m., run to 11:15 and then resume at 1:15 and run to 2:45 o'clock. In the main session classes begin at 8:00 a.m. and close at 2:45 p.m., each period being 90 minutes. Some laboratory periods, field trips, practice periods for musical organizations, and similar activities are conducted in the afternoon. Each student should make certain that he can adjust his time to these periods as arranged before making his schedule. The time followed will be that of the Indiana community.

AUTOMOBILES

All students, graduate and undergraduate, are required to register their motor vehicles at the Housing Office, first floor John Sutton Hall. They must present their validated I-card, driver's license, and owner's registration card when applying for a parking decal. Failure to register the automobile may result in fines and towing.

RELAXATION AND RECREATION AT INDIANA

A comfortable environment and a mild summer climate make IUP an ideal location for summer study and relaxation.

Plans for summer of 1976 call for the continuation of the highly acclaimed Summer Theatre Guild program in Fisher Auditorium. This university-community theatre will present six plays each for four nights a week. Students attending main session can obtain tickets to all six productions with their activity card.

The recreation and co-curricular activities program developed by a student-faculty committee serves the varied interests of the campus community. Plans for the 1976 sessions include dances at the Student Union, outdoor concerts, and feature films. Several

major speakers may also appear on campus. Picnics, outings, steak fries, informal parties and hikes will be part of the summer scene at the University Lodge. The Field House will be open for swimming and other athletic activity.

UNIVERSITY STUDENT CHILDREN'S CENTER

The University Student Children's Center is a service for students, staff, and faculty with children. For a daily fee, children participate in a planned indoor and outdoor program while their parents attend classes, do library work, etc. The Center is open every weekday classes are in session from 7:30 a.m. to 5:30 p.m. Children are accepted into the program from 6 months to 12 years of age. For further information about this child care service, contact Mrs. Linda Thomas, Director, University Student Children's Center, 916 Oakland Avenue, Indiana, Pennsylvania 15701, or call 412-463-3290.

INFIRMARY

Slight illnesses are cared for in the IUP Infirmary without charge for a period of three days. After three days, a charge includes the regular nurse and medical services, but does not include special nurse or special medical service. All students living off-campus and not taking meals in the dining halls are charged \$3.00 a day from the first day.

SUMMER GRADUATES

Students who plan to graduate in the summer must have completed all requirements for **graduation** by the **end of the main summer session, unless prior exception was made by the school dean.**

The responsibility for graduation rests upon students. All students who plan to graduate in the summer of 1976 should write or call at the office of the dean of their respective schools to secure application forms for graduation. These forms properly filled in must be returned to the office of the deans of these schools not later than June 7, 1976.

There will not be a summer commencement ceremony. Summer graduates may participate in the May 1977 commencement ceremony.



SPECIAL PROGRAMS

SUMMER STUDY ABROAD PROGRAMS

The Center for International Studies coordinates a number of summer seminars for IUP students each year. A complete listing will be furnished to the student upon request. Featured programs for the summer of 1976 include:

SOCIAL SCIENCE FOREIGN STUDY

2-4 cr.

The annual Social Science Study tour for 1976 will concentrate on ancient-modern Greek civilization under the direction of Dr. Steven Klein, History Department. Background reading, lectures, discussions, written assignment depending on amount of credit sought. May be used to meet general education requirements in Social Science.

Tour departs New York on June 12. Return on June 27. Estimated cost \$950, including transportation, lodging and most meals. Fly New York to Athens. Three day cruise on liner Galaxy. For information write to: Professor Steven Klein, Department of History.

INDIA: A NATION IN TRANSITION

6 cr.

Eight and one half weeks of study will be conducted in India related to economics, culture, geography, politics, and personal experience in a non-western culture. It will include living with individual Indian families, visits to industrial and agricultural areas, experiences related to non-western religion with visits to a limited number of shrines, examination of contributions of Indian culture and changes taking place, a look at Indian urbanization, etc. Prerequisites: (Enrollment for graduates and undergraduates, juniors and seniors, by permission only.) Undergraduates must major in one of the social sciences. Graduates must major in one of the social sciences or be a teacher of one of the social sciences in elementary, secondary, community college, or college level, curriculum director or administrator of public schools. Families will be discouraged.

For further details write: Dr. Leonard Tepper, Chairman, Geography and Regional Planning.

In addition to these programs the Center for International Studies coordinates a number of summer study opportunities in cooperation with other institutions. The summer student is advised to make his selections early, so that he can complete passport, flight, and inoculation requirements, where these are necessary. Most programs carry an April 1 application deadline.

INSTITUTES AND WORKSHOPS

The School of Continuing and Non-resident Education sponsors many academic conferences, seminars and institutes during the summer. For more information on such events to be held in the summer of 1976, call 357-2227 or 357-2430.

AEROSPACE SCIENCE WORKSHOP

The Aerospace Science Workshop is a futuristic, evaluative and interpretative course of an interdisciplinary content based on aviation and aerospace. The course includes: satellites, space probes, space exploration, remote sensing, aerial photograph interpretation, systems analysis, and flight instruction. Regular professors, visiting aerospace authorities and flight instructors are utilized. The course may be taken for three credits (Graduate) GE 522 or (Undergraduate) GE 422. Enrollment is limited to 30 students because of the free flight instruction provided. Flight training is mandatory.

AQUATIC SCHOOL

The annual Aquatic School will be offered for ten consecutive days, June 7–18. Students must be 17 years of age or older and possess the necessary aquatic prerequisites. A fee will be charged which will include room, three meals a day (unlimited portions), use of equipment, accident insurance, transportation to and from the lake and special one-night programs. Certifications will be granted by the American Red Cross, National YMCA, Professional Association of Diving Instructors and the American Heart Association upon completion of courses. All courses may be taken for college credit, if the student is eligible and pays the additional tuition fee. For more information, contact the Aquatic

Director, Mr. Ralph Johnson, Memorial Field House, telephone 412-357-2779. See page 15 for tentative listing of courses.

CAREER EXPLORATION IN CHILD DEVELOPMENT – HO 451 Workshop

This workshop, designed to introduce students and teachers to approaches for presenting to boys and girls career exploration in child-development related careers, will be in session June 14–25 from 9 a.m. to 3 p.m. The career possibilities include: child care work (day care, nursery schools, child enrichment programs); social services for children (church, welfare, mental health, guidance); medical services for children (medical, dental); consumer services for children (nutrition, clothing, toys, equipment) etc. Participants who complete the program may earn three undergraduate or graduate credits. For further information contact Miss Patricia Bell, Ackerman Hall.

DRAMA WORKSHOP

3-9 cr.

For the past 25 summers the university has conducted a highly successful drama workshop, which has attracted widespread attention. Sets, makeup, and making and collecting of properties, publicity and ticket distribution are among the duties in the day's work for those in the workshop. Six full-length Broadway plays with entertainment value of good quality, given during the main session of summer school, offer opportunities for acting, working on technical crews and assisting in many phases of production.

The workshop is actually a theatre practicum which offers from three to nine credits for the practical experience in connection with Theatre-by-the-Grove, the university's semi-professional summer theatre. Three undergraduate credits are offered in the pre-session and six undergraduate or graduate credits are offered in the main session. Students should be forewarned that they will be involved most of the day in the pursuit of their assignments.

The drama workshop uses university facilities in Fisher Auditorium, and is an integral part of the Summer Theatre Guild, the sponsoring organization of Theatre-by-the-Grove. The Sunday edition of the NEW YORK TIMES regularly carries the weekly offerings on our schedule. The entire theatre project embraces

people from the community, faculty, imported actors, technical specialists, enrolled students and all others who have a genuine interest in theatre activities.

METRICS IN HOME ECONOMICS – HO 451 Workshop

The Metric Workshop, open only to Home Economics majors, will be in session July 19 – August 5 from 9 a.m. to 3 p.m. Emphasis will be placed on the manner in which metrication can be effectively integrated into the contemporary vocational home economics curriculum. Participants who complete the program may earn three hours of undergraduate or graduate credit. For further information contact Dr. Ruth Anderson, Ackerman Hall.

SCHOOL FOODSERVICE INSTITUTE

The eighteenth annual summer institute for school food service employees will be held June 27 – July 2 with sessions from 8 a.m. to 4 p.m. daily. No academic credit is given but every effort is made to meet the needs of employees in all positions. Expenses include a \$60.00 registration fee plus lodging and evening meals. Pre-registration is essential. For further information contact Mr. Ronald Simkins, Food and Nutrition Department.

STUDY TOUR IN FOODS

The Department of Food and Nutrition will offer a Western U.S.A. Study Tour during Main Session, July 10 – 24. The tour will fly to Seattle and then travel by private, air-conditioned motor coach down the coast to Los Angeles. The salmon industry, wine industry and many food processing plants will be visited. Lectures by the San Francisco City College staff and several renowned chefs will highlight the tour. Fun included is San Francisco at night, Disney Land and a Las Vegas farewell party. Graduate or undergraduate credit may be earned. Contact Allen M. Woods, Food and Nutrition Department for information. Application deadline is May 24, 1976.

WESTERN PENNSYLVANIA INDUSTRIAL MANAGEMENT CONFERENCE

An industrial-sponsored conference designed to acquaint management with new techniques and innovations will be held June

11 and 12. For more information contact Mr. Charles Stevenson, School of Continuing and Non-resident Education, 357-2227.

ATHLETIC CAMP (Ages 9–18 years)

Football Camp – June 16–19; June 20–25; July 5–8; August 1–6

Basketball Camp – June 3–18 (Boys); June 20–25 (Girls); August 1–6 (Boys)

Soccer Camp – July 18–23

Gymnastics – August 8–13 (Girls)

Wrestling – July 11–16

CHILDREN'S PHYSICAL ACTIVITIES CAMP

This camp will be offered again from 9 a.m. to 12 noon Monday through Friday, during the **Main Summer Session**. Classes will begin Wednesday, June 20 pending sufficient enrollment. It is essential that applications and checks be submitted by June 25. A fee of \$30.00 per student will be charged for supplies, insurance, and operating expenses. If additional children are enrolled from one family, the fee shall be \$20.00 for each added child.

Each student will become involved in team and individual physical activities designed to promote maximum physical and social growth. If you desire to enroll your child in this program, contact the office of Dr. D. Shelby Brightwell, Chairman; Health and Physical Education Department; Indiana University of Pennsylvania; 412-357-2750; or stop by office 107B, Memorial Field House.

HANDICAPPED CHILDREN'S CAMP

A resident camp for handicapped children will be held at the Lion's Health Camp during the main session. This cooperative project of IUP, the Lion's Club, the Society for Crippled Children and Adults and other agencies, will be under the direction of the Health and Physical Education Departments, and will use full-time faculty, graduate students, and upper division undergraduates as staff.

PRE SESSION	MAIN SESSION				POST SESSION
	June 28 To August 5, 1976				
JUNE 7 to JUNE 25	8:00 a.m. to 9:30 a.m.	9:45 a.m. to 11:15 a.m.	11:30 a.m. to 1:00 p.m.	1:15 p.m. to 2:45 p.m.	AUGUST 9 AUGUST 27
ART & ART EDUCATION 1 AR 101 Intro to Art 2 AR 211 Painting I (SJ) (SJ)--Summer-January students	AR 101 Intro to Art AR 459 Fabrics AR 330 Arts & Crafts for MR	AR 217 Printmaking I & 315 Printmaking II AR 212 Painting II & 311 Painting III AR 113 Design I & 114 Design II (SJ) AR 213 Crafts I & 451 Adv Crafts AR 317 Arts & Crafts -El Ed & 318 Arts & Crafts -Sec Ed AR 214 Ceramics I & 312 Ceramics II	AR 311 Drawing I (SJ) AR 316 Metalry II AR 215 Sculpture I & 313 Sculpture II HE 213 Design - 2 cr AE 419 Museum Internship		1 AR 101 Intro to Art 2 AR 116 Western Art (SJ) (SJ)--Summer January students
BIOLOGY 1 BI 103 Gen Bio I* 1 BI 105 Cell Biology 1 BI 241 Gen Micro 1 BI 311 Envil Bio* 1 BI 481 Spec Topics: (an Intro to Rocky Mt. Ecology)** *4 Cr - 6 days/wk **Contact Dr. Dietrich or Dr. Humphreys for information	BI 103 Gen Bio I* (4 Cr - meets at special times from June 28-July 16) BI 104 Gen Bio II*(4 Cr - meets at special times from July 19-August 5) BI 120 Animal Biology (5 Cr - with scheduled labs) BI 151 Human Physiology BI 263 Genetics (8:00-9:30; labs at 9:45-11:30) * 6 days/wk		BI 151 Human Physiology BU 481 Special Topics (Human Genetics)		1 BI 104 Gen Bio II* 1 BI 241 Gen Microbiology 1 BI 311 Environ Biology* *4 Cr - 6 days/wk
BUSINESS 1 BU 101 Bus Org & Mgt 1 BU 221 Intro to Acctg* (8-9:30) 1 BU 235 Bus Law I 1 BU 332 Retail Mgt 1 BM 435 Seminar in Curr Mktg Prob 2 BU 233 Marketing 2 BU 235 Bus Law I 2 BU 333 Prin of Selling 2 BU 352 Corp Acctg* (9:45-11:15) 2 BM 201 Personnel Mgt 2 DE 310 Prin of Dist Ed 2 BE 311 Meth of Tchg BC* (1:15-2:45) *Cont'd to July 16	BU 221 Intro to Acctg (from Pre Session) BU 131 Prin of Typing* BU 251 Intermed Acctg** BU 333 Prin of Selling BU 335 Machine Mathematics (formerly Office Machines) BU 352 Corp Acctg BM 241 Finance BM 380 Prin of Investments BM 451 Adv Prin of Acctg BE 433 Superv Work Exp & Sem in Ofc Occ - 6 Cr DE 434 Superv Work Exp & Sem in Distr Ed - 6 Cr (BE 433 & DE 434 by Appt.)	BU 101 Bus Org & Mgt BU 221 Intro to Acctg BU 132 Intermed Typing* BU 271 Adv Typing* BU 352 Corp Acctg (from Pre Session) BU 353 Cost Acctg** BM 201 Personnel Mgt BM 215 Bus Statistics * 2 Cr **From 7/19 to Post Session	BU 233 Marketing BU 336 Bus Law II BU 454 Federal Taxes BM 201 Personnel Mgt BM 215 Bus Statistics BE 111 Bus Math I BE 312 Eval Tech in Bus Crs	BU 321 Bus Communications BU 339 Bus Data Processing BU 455 Auditing BM 434 Advertising BE 311 Meth of Tchg Bus Crs (From Pre Session)	1 BU 233 Marketing 1 BU 251 Intermed Acctg (From Main Session) 1 BU 454 Federal Taxes 1 BM 241 Finance 1 BM 480 Collective Bargain'g 2 BU 233 Marketing 2 BU 353 Cost Acctg (From Main Session) 2 BM 331 Consumer Behavior

Classes in Pre and Post Sessions will be scheduled as follows. Classes with numeral 1 before them will meet from 8:00 to 9:30 a.m. and from 11:30 to 1:00 p.m. Those with the numeral 2 before them will meet from 9:45 to 11:15 a.m. and from 1:15 to 2:45 p.m. All courses are 3 credits unless otherwise noted.

PRE SESSION	MAIN SESSION				POST SESSION
	June 7 to June 25	June 28 To August 5, 1976			
	8:00 a.m. to 9:30 a.m.	9:45 a.m. to 11:15 a.m.	11:30 a.m. to 1:00 p.m.	1:15 p.m. to 2:45 p.m.	AUGUST 9 AUGUST 27
CHEMISTRY					
1 CH 101 Home Ec Chem I*	CH 101 Home Ec Chem I (Meets 8:00-1:00 M-F; 8:00-10:30 S, June 28-July 16; 6 days/wk - 4 Cr)				1 CH 102 Home Ec Chem I*
1 CH 103 Prin of Chem*	CH 102 Home Ec Chem II (Meets 8:00-1:00 M-F; 8:00-10:30 S, July 19-Aug. 5; 6 days/wk - 4 Cr)				1 CH 111 Gen Chem I*
1 CH 111 Gen Chem I*	CH 111 Gen Chem I (Meets 8:00-2:00 June 28-July 16; 6 days/wk - 4 Cr)				1 CH 112 Gen Chem II*
1 CH 302 Indust Chem	CH 112 Gen Chem II (Meets 8:00-2:00 July 19-Aug. 5; 6 days/wk - 4 Cr)				1 CH 351 Biochem*
1 CH 355 Biochem & Nutr	CH 231 Organic Chem I (Meets 8:00-3:00 June 28-July 16; 6 days/wk - 4 Cr)				1 CH 376 Radiochemistry
1 SC 106 Phys Sci II*	CH 232 Organic Chem II (Meets 8:00-3:00 July 19-Aug. 5; 6 days/wk - 4 Cr)				1 SC 106 Phys Sci II*
	CH 305 New Approaches in the Tchg of High School Chem (Meets 8:00-12:00, July 19-Aug. 5 - 3 Cr)				
*4 Cr (Meets at special times - 6 days/wk)	CH 321 Quantitative Anal (Meets 8:00-3:00 M-F; 8:00-10:30 S, June 28-July 16 - 4 Cr)				*4 CR (Meets at special times 6 days/wk)
	CH 322 Instrumental Anal (Meets 8:00-3:00 M-F; 8:00-10:30 S, July 19-Aug. 5 - 4 Cr)				
	SC 106 Phys Sci II (Meets 8:00-1:00 M-F; 8:00-10:30 S, July 19-Aug. 5 - 4 Cr)				
COMPUTER SCIENCE					
	CO 110 Intro to Comp Sci	CO 220 Applied Computer Prog			
	CO 200 Intro to Computers	CO 250 Intro to Numeric Meth			
CRIMINOLOGY					
1 CR 101 Gen Adm of Jus	CR 101 Gen Adm of Jus	CR 101 Gen Adm of Jus	CR 102 Criminology	CR 330 Planning & Research	1 CR 101 Gen Adm of Jus
1 CR 488 Internship*	CR 311 Criminalistics	CR 310 Crim Invest	CR 301 Crim Law I	CR 432 Treatment & Control of Delinq	1 CR 102 Criminology
1 CR 490 Crime in Modern Society	CR 490 Crime in Modern Soc.	CR 325 Inst Det of Dec	CR 350 Tech of Interviewing	CR 480 Seminar in Adm of Jus	1 CR 302 Crim Law II
2 CR 431 Etiology		CR 481 Spec Topics	CR 360 Com and Ind Sec		1 CR 490 Crime in Modern Soc
*By Permission (12 Cr)			CR 415 Superv in Adm of Jus		
ECONOMICS					
1 EC 101 Basic Econ	EC 122 Prin of Econ II	EC 101 Basic Economics	EC 121 Prin of Econ I		1 EC 121 Prin of Econ I
1 EC 330 Labor Econ		EC 122 Prin of Econ II	EC 330 Labor Economics		1 EC 326 Monetary Econ II
2 EC 121 Prin of Econ I		EC 325 Monetary Econ I			2 EC 101 Basic Econ
2 EC 241 Count Econ Iss		EC 334 Econ of Corporate Dec			2 EC 122 Prin of Econ II
2 EC 372 Econ of Wages and Employment					2 EC 325 Monetary Econ I
					2 EC 330 Labor Economics
EDUCATIONAL PSYCHOLOGY					
1 EP 302 Ed Psych	EP 302 Educ Psych				
1 EP 377 Ed Tests & Meas	EP 377 Ed Tests & Meas				1 EP 377 Ed Tests & Meas
1 EP 481 Spec Topics in Ed Psych (wk of 21-25)	EP 376 Behavior Problems				2 EP 302 Educ Psych
2 EP 373 Psych of Adol Ed	EP 481 Spec Topics (June 28-July 2; all day; Humanizing the Classroom)				
2 EP 376 Behavior Prob	EP 481 Spec Topics (July 12-16; all day; Humanizing the Classroom)				
	EP 481 Spec Topics (July 19-23; all day; Behavior Management in the Classroom)				
ELEMENTARY					
1 EL 413 Tchg Lang. Arts	EL 411 Tchg of Soc Studies	EL 221 Children's Lit	EL 222 Tchg of Reading	EL 215 Child Development	
1 EL 312 Tchg El Sci		EL 463 Workshop in El Tchg	EL 351 Creative Activities		

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PRE SESSION

MAIN SESSION

June 28 To August 5, 1976

POST SESSION

JUNE 7 to JUNE 25

8:00 a.m. to 9:30 a.m.

9:45 a.m. to 11:15 a.m.

11:30 a.m. to 1:00 p.m.

1:15 p.m. to 2:45 p.m.

AUGUST 9 AUGUST 27

GEOSCIENCE

GS 122 General Geology II

GS 132 Gen Geology II Lab
(1 Cr)
GS 371 Oceanography I

GS 481 Special Topics: Rocks
and Minerals

1 GS 481 Special Topics:
Geology of the
Northern Rockies
(off campus)

HEALTH & PHYSICAL EDUC

1 HP 101 Health*
1 HP 142 Intro to HPE*
1 HP 251 Intro to Saf*
2 HP 101 Health*
2 HP 341 Tests & Meas*
*2 Cr

HP 101 Health 2 Cr
HP 110 Begin Swim 1 Cr
HP 119 Golf/Bowling 1 Cr
HP 120 Inter Sw/Tennis 1 Cr
HP 120 Inter Sw/Tennis 1 Cr
HP 123 Folk & Sq Dance 1 Cr
HP 145 Tennis 1 Cr
HP 251 Intro to Saf Ed
HP 321 Meth El Phys Ed
HP 343 Physiology of Ex 2 Cr

HP 101 Health 2 Cr
HP 119 Golf/Bowling 1 Cr
HP 120 Inter Sw/Tennis 1 Cr
HP 123 Folk & Sq Dance 1 Cr
HP 145 Tennis 1 Cr
HP 252 Basic Driver Ed
HP 404 O & A School Health
HP 341 Tests & Meas 2 Cr

HP 101 Health 2 Cr
HP 119 Golf/Bowling 1 Cr
HP 120 Inter Sw/Tennis 1 Cr
HP 142 Intro to HPER 2 Cr
HP 145 Tennis 1 Cr
HP 255 Psy of Acc Prevention

HP 101 Health 2 Cr
HP 119 Golf/Bowling 1 Cr
HP 266 Basic Smallcraft 1 Cr
HP 318 Internship I 1 Cr
HP 319 Internship II
(1-2-3 Cr)
HP 344 Adapted Phys Ed 2 Cr
HP 346 First Aid Instr 1 Cr
HP 405 Adm & Tech of
Camping 2 Cr

1 HP 101 Health 2 Cr
1 HP 253 Meth & Mat of
Safety Ed
2 HP 266 Basic Smallcraft
(1 Cr - 1:15-2:45)

AQUATIC SCHOOL - PLEASE
REFER TO END OF LISTING

HP 434 Adv Soccer Workshop - 1 Cr Will be offered July 18-23
Students may attend any 2 of the following sessions: 9:00-11:30 a.m.; 2:00-4:30 p.m.; 6:30-9:30 p.m.

HISTORY

1 HI 101 Civ I
1 HI 102 Civ II
1 HI 104 US & Pa II
1 HI 347 Civil War &
Reconstruction
2 HI 104 US & Pa II

HI 101 Civ I
HS 399 Contemporary Europe

HI 102 Civ II
HI 104 US & Pa II
HI 355 Hist of Soviet Russia

HI 104 US & Pa II
HI 389 Hist of Women
HI 481 Spec Studies: Shakes-
peare/History*
*Taken in conjunction with
Eng 481 - 3 hrs for a total
of 6 hrs.

HI 102 Civ II
HI 481 Am Revolution

1 HI 102 Civ II
1 HI 104 US & Pa II

HOME ECONOMICS SCHOOL

1 HO 218 Child Develop
1 HO 451 Workshop: Career
Exploration in
Child Develop
(June 14-23; 9:00-3:00)
1 CS 417 Tailoring
1 CS 451 Field Exp
1 FN 111 Intro to Foods
1 FN 313 Quan Fd Service
1 FN 364 Methods
1 FN 402 Nutr & Comm
Health

CS 315 Consumer Econ & Fam
Finance
CS 451 Field Experience
FN 406 Study Tour in Foods -

HO 451 Workshop: Metrics in
Home Econ
(July 19-Aug 5; 9:00-3:00)
CS 216 Clothing & Man
July 10-26 BY ARRANGEMENT ONLY

CS 214 Apparel Structure
& Design

1 CS 451 Field Experience
1 FN 211 Advanced Foods

Classes in Pre and Post Sessions will be scheduled as follows. Classes with numeral '1' before them will meet from 8:00 to 9:30 a.m. and from 11:30 to 1:00 p.m. Those with the numeral '2' before them will meet from 9:45 to 11:15 a.m. and from 1:15 to 2:45 p.m. All courses are 3 credits unless otherwise noted.

PRE SESSION	MAIN SESSION				POST SESSION
JUNE 7 to JUNE 25	8:00 a.m. to 9:30 a.m.	9:45 a.m. to 11:15 a.m.	11:30 a.m. to 1:00 p.m.	1:15 p.m. to 2:45 p.m.	AUGUST 9 AUGUST 27
LEARNING RESOURCES					
1 LR 301 Audio Visual Ed	LR 371 Photography in Ed	LR 301 Audio Visual Ed	LR 301 Audio Visual Ed	LR 301 Audio Visual Ed	1 LR 301 Audio Visual Ed
	LR 482 Prep of Instructional Materials	LR 471 Adv Photography in Ed			2 LR 373 Intro to Radio Broadcasting
MATHEMATICS					
1 MA 101 Found of Math	MA 011 Elem Functions	MA 011 Elem Functions	MA 013 Calc I for Nat & Soc Sci*	MA 421 Intro to Topology	1 MA 101 Found of Math
1 MA 160 Math for El Ed Teachers I	MA 363 Intro to Probability	MA 101 Found of Math		MA 481 Spec Topics in Math: Programming Models in Operations Research Applied (Sec 2)	1 MA 361 Ordinary Differ. Eq
1 MA 233 Intro to Linear Algebra	MA 364 Math Stat I	MA 111 Calculus I*	MA 015 Calc II for Nat & Soc Sci*		1 EL 313 Tchg of Math in El Schools
1 MA 362 Prob & Stat (Business)		MA 362 Prob & Stat (Non-Bus.)	MA 341 Theory of Numbers		2 MA 250 Math for El Ed Tchrs II
2 MA 013 Calc I for Nat & Soc Sci*		MA 376 Abstr Algebra I	MA 481 Spec Topics in Math: Statistics (Sec 1)		2 ED 456 Tchg Math in Sec Schools
2 MA 362 Prob & Stat (Non-Business)		MA 381 Adv Calculus I	EL 313 Tchg of Math in Elem School (Sp Ed)		
2 MA 481 Spec Topics in Math: Set Theo					
*4 Cr		* 4 Cr			
MILITARY SCIENCE					
1 MS 203 Fdmls Tac Opr (2 Cr)		MS 101 World Military Hist (2 Cr)			
MUSIC					
1 MU 101 Intro to Music	MU 101 Intro to Music	MU 115 Theory I	MU 151 Class Voice I (1 Cr)	MU 153 Class Piano I (1 Cr)	1 MU 101 Intro to Music
1 MU 113 Ear Training I (2 Cr)	MU 111 Sight Singing I (2 Cr)	MU 301 Music Hist I	MU 302 Music Hist II	MU 333 Secondary Methods	
1 MU 408 Marching Band Tech (2 Cr)	MU 315 Theory V Applied Music*	Applied Music*	Applied Music*	Applied Music*	
	MU 122 Univ Chorale (3:00 to 4:30 p.m.)	*For information concerning applied music instruction the Department of	Music office (412) 357-2390.	please contact	
NURSING					
	NU 405 Nursing VI (Community Health - 4 Cr)				
	NU 406 Clinical Prac in Community Health Nursing (4 Cr)				
PHILOSOPHY					
1 PH 100 Intro to Rel	PH 110 World Religions	PH 100 Intro to Religions	PH 120 Intro to Phil		1 PH 120 Intro to Phil
1 PH 110 World Religions	PH 221 Logic 1	PH 101 Meth of Critical Thinking	PH 222 Ethics		1 PH 101 Meth of Critical Thinking
1 PH 120 Intro to Phil					2 PH 110 World Religions
2 PH 221 Logic 1					2 PH 221 Logic I
2 PH 101 Meth of Crit Thinking					
2 PH 222 Ethics					

Classes in Pre and Post Sessions will be scheduled as follows: Classes with the number 1 after the title will meet from 8:00 to 9:30 a.m. and from 1:30 to 3:00 p.m. Those with the number 2 before the title will meet from 9:45 to 11:15 a.m. and from 1:15 to 2:45 p.m. All courses are 3 credits unless otherwise noted.

PRE SESSION	MAIN SESSION				POST SESSION
	June 28 To August 5, 1976				
JUNE 7 to JUNE 25	8:00 a.m. to 9:30 a.m.	9:45 a.m. to 11:15 a.m.	11:30 a.m. to 1:00 p.m.	1:15 p.m. to 2:45 p.m.	AUGUST 9 AUGUST 27
<u>PHYSICS</u> 1 SC 105 Phys Sci I** 1 PY 111 Phys I (lect) 2 SC 105 Phys Sci I** 2 PY 111 Phys I (lab)* *1 Cr 1-4:00 p.m. **4 Cr Meets 5 hrs M-F 3 hrs Sat at special times <u>POLITICAL SCIENCE</u> 1 PS 101 World Politics 1 PS 111 Am Politics 1 PS 358 Jud. Proc. 2 PS 111 Am Politics 2 PS 351 Legis Proc. PS 458 Internship* *By Arrangement 3-12 Cr	PY 111 Physics I (lect) SC 105 Phys Sci (Meets 5 hrs	PY 112 Physics II (lect) M-F, 3 Hrs Sat. at spec times - June 28-July 16 - 4 Cr)		PY 111 Physics I (lab)* PY 112 Physics II (lab)* * alternate days 1-4:00 p.m. 1 Cr	1 PY 112 Phys II (lect) 2 PY 112 Phys II (lab)* 2 SC 105 Phys Sci I** *1 Cr 1-4:00 p.m. **4 CR Meets 5 hrs M-F, 3 hrs Sat. at special times
<u>PSYCHOLOGY</u> 1 PC 101 Gen Psych 1 PC 333 Psych of Lang 1 PC 374 Psych of Adult- hood & Old Age 2 PC 101 Gen Psych 2 PC 373 Adol Psych 2 PC 399 Indus Psych 2 PC 451 Psych Pract.* 2 PC 481 Intro to Poetry Therapy *To Be Arranged <u>PUBLIC SCHOOL NURSING</u> 1 SH 354 Audiometry for Pub Sch Nurses <u>SAFETY SCIENCES</u>	PS 101 World Politics PS 111 Am Politics PS 250 Cont. Pol. Problems PS 280 Comp. Gov't. I. PS 458 Internship* PS 481 Spec. Topic: Mass Media in Am Politics *By Arrangement 3-9 Cr	PS 101 World Politics PS 111 Am Politics PS 283 Am. Foreign Policy PS 353 Am Pol. Parties PS 380 Soviet Politics	PC 101 Gen Psych PC 355 Child Psych PC 356 Personality PC 361 Motivation		1 PS 101 World Politics 1 PS 111 Am Politics 1 PS 285 Comp. Gov't. II 2 PS 101 World Politics 2 PS 111 Am Politics 2 PS 251 State & Local Pol. Systems PS 458 Internship* *By Arrangement--Open only to previously enrolled summer interns
	To Be Arranged 3-6 Cr	PC 101 Gen Psych PC 355 Child Psych PC 356 Personality PC 361 Motivation	PC 101 Gen Psych PC 200 Psych of Adjustment PC 290 Exp. Des. Anal I PC 481 Nutrition & Behavior		1 PC 101 Gen Psych 1 PC 354 Develop. Psych 1 PC 357 Abnormal Psych 1 PC 481 Psych of Death and Dying 2 PC 101 Gen Psych 2 PC 451 Psych Practicum *To Be Arranged
	SA 101 Intro to Occupational Safety & Health	PN 301 Public School Nursing			

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Classes in Pre and Post Sessions will be scheduled as follows. Classes with numeral 1 before them will meet from 8:00 to 9:30 a.m. and from 11:30 to 1:00 p.m. Those with the numeral 2 before them will meet from 9:45 to 11:15 a.m. and from 1:15 to 2:45 p.m. All courses are 3 credits unless otherwise noted.

PRE SESSION

MAIN SESSION

June 28 To August 5, 1976

POST SESSION

JUNE 7 to JUNE 25

8:00 a.m. to 9:30 a.m.

9:45 a.m. to 11:15 a.m.

11:30 a.m. to 1:00 p.m.

1:15 p.m. to 2:45 p.m.

AUGUST 9 AUGUST 27

SOCIOLOGY-ANTHROPOLOGY

- 1 AN 110 Intro to Anth
- 1 SO 151 Prin of Soc
- 1 SO 336 Soc of Family
- 1 SO 471-472 Fieldwork
- 2 SO 344 Intro to Res.

- AN 110 Intro to Anth
- SO 151 Prin of Soc
- SO 343 Devel of Soc Theory
- SO 471-472 Fieldwork

- AN 244 Basic Archaeology
- SO 151 Prin of Soc
- SO 231 Con. Soc Problems
- SO 332 Racial & Cultural Minorities
- SO 333 Juvenile Delinquency
- SO 340 Soc of Industry
- SO 481-1 Spec Readings: Soc of Divorce
- SO 481-2 Spec Readings: Intervention Strat. in Social Work
- SO 481-3 Spec Readings: Soc of the Future

- SO 345 Social Dynamics

- SO 346 Hist & Phil of Social Welfare Policies

- 1 AN 110 Intro to Anth
- 1 SO 151 Prin of Soc
- 1 SO 471-472 Fieldwork Pro-seminar in Sociology
- 2 SO 451 Spec Readings: Drugs in Contemporary American Society

SPECIAL EDUCATION

- 1 SE 220 Intro Ex Child
- 1 SE 362 Meth Tchg Rdg
- 1 SH 232 Spch Path
- 1 SH 242 Bases Oral Comm
- 1 SH 354 Audiometry for Pub Sch Nurses
- SE 452 Psych Pract - Ten Week

- SE 216 Mental Health in Sch
- SE 423 Curr & Methods
- SE 446 Tchg Trnbl Mentally Retarded
- SH 111 Fund of Spch & Hrg
- SH 410 Articulation
- Week Practicum at Torrance State Hospital

- SE 215 Child Development
- SH 254 Spch Devel & Improv
- SH 320 Spch Clinic II
- SE 455 Stud Tchg of Excep Children (9:50-12:15)

- SE 301 Rdg & Lang Arts for Mentally Retarded
- SE 320 Psych of Ment Ret
- SH 310 Spch Clinic I

- SH 320 Spch Clinic II

- 1 SE 220 Intro to Exc Child
- 1 SE 411 Hlth, Phys Ed & Recr for Exc Child
- 1 SH 416 Stuttering

AQUATICS SCHOOL - JUNE 7 to 18

- HP 262 Basic Scuba 1 Cr)
- HP 272 Instructr of Canoeing 1 Cr)
- HP 275 Lifeguarding 1 Cr)
- HP 276 Coaching of Swim/Diving 1 Cr)
- HP 261 Water Safety Instr 1 Cr)
- HP 266 Basic Smallcraft 1 Cr)
- HP 268 Basic Water Skiing 1 Cr)
- HP 273 Instructor of Sailing 1 Cr)
- HP 447 Instructor of CPR 1 Cr)
- HP 267 Synchronized Swim 1 Cr)
- HP 269 Basic Power Boating 1 Cr)
- HP 278 Coach & Offic. Water Polo 2 Cr)
- HP 280 Aq Facilities Management 2 Cr)
- HP 346 First Aid Instructor 1 Cr)

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UNDERGRADUATE SUMMER SCHOOL APPLICATION, 1976

INDIANA UNIVERSITY OF PENNSYLVANIA

All persons enrolling in undergraduate summer school must complete the following information and return it, along with Course Request Card or cards, to the Scheduling Center by the indicated date for the first session in which attendance is anticipated if they wish to be pre-registered. Students are encouraged to return this information as soon as possible in order to insure that their registration request will be correctly processed.

Pre session — Thursday, May 6;

Main Session — Friday, May 28;

Post Session — Friday, July 9

NAME _____
Social Security No. _____ Last _____ First _____ Middle _____

Home Address _____ Sex: _____ Male
Street _____ City _____ Female
County _____ State _____ Zip Code _____

Birthdate: _____ / _____ / _____ Marital
Month Day Year Status: _____ Married _____ Single _____ Widowed _____ Divorced

Check One: _____ Faculty Member _____ Faculty Spouse _____ Faculty Child _____ Staff Member _____ Staff Child _____ None

Designate full name of employee: _____

Have you ever attended IUP as a regular full or part-time student?: Yes No

If yes, complete the following:

Original enrollment date _____
(month) (year)

In what semester/session did you last attend IUP as a regular full or part-time student? _____

What was your school and major area at that time? _____
School Major

Short term courses which begin at any time during Main Session must be registered for at Main Session Arena Registration on June 28, 1976.

Return this sheet, schedule cards, and food requests in **one** envelope to: The Scheduling Center
Indiana University of Pennsylvania
Indiana, Pa. 15701
ATTN: Summer School

Detach Here

Summer Sessions 1976
Indiana University of Pennsylvania

Volume 81

January, 1976

Number 3

This bulletin contains announcements of courses for the summer sessions of 1976. The University reserves the right to repeal, change or amend the rules, regulations and courses contained in this bulletin at any time.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part outlines the various methods and tools used to collect and analyze data. This includes both traditional manual processes and modern digital technologies, highlighting the benefits of automation and data integration.

3. The third part focuses on the role of data in decision-making. It explains how data-driven insights can help identify trends, anticipate challenges, and optimize resource allocation, leading to more informed and strategic choices.

4. The fourth part addresses the challenges associated with data management, such as data security, privacy concerns, and the need for skilled personnel. It offers practical solutions and best practices to mitigate these risks and ensure the integrity of the data.

5. The final part concludes by summarizing the key findings and recommendations. It stresses the ongoing nature of data management and the need for continuous improvement and adaptation to changing technological and organizational landscapes.