

# College of Health Professions

Linda C. Hatzenbuehler, Ph.D., Dean  
Delane C. Kritsky, Ph.D., Associate  
Dean

The College of Health Professions offers programs of professional education leading to the Associate of Science degree in Radiography; the Bachelor of Arts degree in Health Education; Bachelor of Science degrees in Dental Hygiene, Dietetics, Health Care Administration, Health Education, Nursing, Physician Assistant Studies, Radiography, and Speech Pathology and Audiology; Master of Counseling degrees in Mental Health Counseling, School Counseling, and Student Affairs and College Counseling; Master of Science degrees in Audiology, Deaf Education, Health Education, Nursing, and Speech-Language Pathology; a Master of Physical Therapy degree; and a Doctor of Education degree in Counselor Education and Counseling. A Dietetic Internship Certificate Program is offered at the postgraduate level. Each curriculum combines a core of liberal arts and professional subjects with clinical experience.

The College of Health Professions cooperates with the Creighton University Boyne School of Dentistry and basic science departments at Idaho State University in offering the first year of dental education through the Idaho Dental Education Program (IDEP). Students then spend their second, third, and fourth years at Creighton University in Omaha, Nebraska.

For the purpose of providing opportunities for students to obtain appropriate clinical experience, the Department of Dental Hygiene operates an on-campus dental hygiene clinic and the Department of Speech Pathology and Audiology operates a speech and hearing center.

The College delivers outreach Bachelor of Science and Master of Science programs in Nursing in Twin Falls. Outreach programming also includes the Master of Counseling in Mental Health Counseling, the Master of Science in Nursing and the Master of Science in Speech Pathology, all offered in Boise. The Master of Science in Nursing includes a nurse practitioner option which is offered in Pocatello, Boise and Lewiston.

## Department of Counseling

Chair and Professor: Allen  
Professors: Anderson, Feit, Kline, Lloyd  
Assistant Professors: Kleist, Paulson, Swanson  
Instructors: Averitt, Hilbert, Mandeville, McCullough, Naftzger, Singarajah  
Academic Outreach Adjunct Faculty: Murphy, Schmidt  
Affiliate Faculty: Bolinger, DeNagy, Gerlach, Johnsen, Katz, Murphy, Pehrsson  
Professor Emeritus: Edgar

### Counseling

Graduate-level preparation for (1) counselors who seek employment in schools, universities, community mental health and various other settings, and (2) college student affairs professionals.

### Pre-Counseling and Pre-Student Affairs

Preparation should consist of a broad undergraduate course of study including some work in psychology (learning and personality theory), sociology, and the communication skills. For those seeking positions in public elementary and secondary schools, state certification requirements should be considered.

### Degree Programs

Degree programs offered by the department include Doctor of Education, Educational Specialist, and Master of Counseling. Majors are available in Counselor Education and Counseling (Ed.D.); Counseling (Ed.S), Mental Health Counseling (M.Coun.); School Counseling (M.Coun.); and Student Affairs and College Counseling (M.Coun.).

### Accreditation

The programs for school counselor preparation are accredited by the National Coun-

cil for the Accreditation of Teacher Education (1996) and NASDTEC (1996).

The Counselor Education programs are approved by the Council for Accreditation of Counseling and Related Educational Programs through June 30, 2002 as follows:

Mental Health Counseling (M.Coun.), Accredited Status; School Counseling (M.Coun.), Accredited Status; Student Affairs and College Counseling (M.Coun.), Accredited Status; Counselor Education and Counseling (Ed.D.), Accredited Status.

### Admission

Graduate applications for admission to the Department of Counseling must be submitted by February 15. Application forms will be mailed only from August 1 through January 1. Applications are accepted from December 1 through February 15. Application materials can be obtained from the Department of Counseling.

A maximum of 20-25 students are admitted to the program each year. Classes begin in the Fall semester each year.

## Counseling Courses

**COUN 150 Career and Life Planning 1 credit.** Centers on theories and actual processes of effective decision-making with direct application to participants' short and long range life goals. Course will emphasize self-understanding and methods for gathering appropriate external information. Career decisions are emphasized. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U. F

**COUN 200 Multicultural Development 1 credit.** Acquaints students with information related to the appreciation of individual differences as it relates to race, gender, and national origin in a pluralistic society. F, S

**COUN 210 Human Relations at Work 3 credits.** The development of knowledge and skills to enhance cooperation between employers and employees in various work settings. Exploration of current thought on the nature, process, and diversity of human interaction as it applies to the world of work. D

**COUN 300 Interpersonal Skills in Health Professions 2 credits.** Theory and practice in the use of effective interpersonal communication skills and styles for health care providers. R1

**COUN 350 Self Fulfilling Behavior 1 credit.** Course objective is to assist the student in developing satisfying personal and interpersonal emotional skills and habits. Combines instruction in principles of mental health with practical methods for applying principles to problems of everyday life. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U. D

**COUN 423 Vocational Guidance and Counseling 3 credits.** Study of occupational trends, job opportunities, factors involved in selecting an occupation and means of evaluating interests in terms of capabilities. D

**COUN g450 Peer Counseling Seminar 1-2 credits.** Supervised experience in assisting another student. Students meet out of class on a weekly contact basis. Course provides ongoing training for the peer counselors. May be repeated up to 6 credits. PREREQ: PERMISSION OF INSTRUCTOR. D

**COUN g484 Guidance Principles and Practices 3 credits.** Survey of the various guidance practices in secondary education. Each service is discussed from the point of view of its role in the total educational program. D

**COUN g485 Independent Problems 1-2 credits.** Individual work under staff guidance. Field and/or library research on specific educational problems of interest to majors. Experience in research composition. PREREQ: PERMISSION OF INSTRUCTOR. D

**COUN g491 Seminar 1-3 credits.** Critical analysis of the literature in one or more areas. Limited enrollment. PREREQ: PERMISSION OF INSTRUCTOR. May be graded S/U. F, S, S

**COUN g494 Elementary School Guidance 2 credits.** Study of (1) the function of guidance in relation to children's needs; (2) principles and techniques of elementary school guidance; (3) analysis of representative programs of guidance in the elementary schools; and (4) research related to elementary school guidance and resulting trends. D

## Department of Dental Hygiene

Chair and Professor: Bowen  
Associate Professors: Christie, Herzog, Hodges, Miller, Paarmann, Rogo  
Assistant Professors: Calley, Kawamura  
Instructors: Hess, Eisenhauer, T. Johnson, Long, Omann  
Adjunct Faculty: Akers, Barnes, Bringham, Bybee, Call, Elison, Foster, McCune, Naftzger, Ormond, Spain, Tolman, Young, Zollinger  
Affiliate Faculty: R. Johnson, Kelley, Luedtke, Meyers, Salisbury

As licensed professional oral health educators and clinicians, dental hygienists utilize knowledge of biomedical, dental, and clinical sciences to assist individuals and groups in achieving and maintaining optimum oral health. In many states, the role of the dental hygienist has been extended by the delegation of duties which

are beyond this traditional scope of responsibility (advanced functions). As a specialist, the dental hygienist serves as one member of the dental team who plays an integral role in insuring quality, comprehensive care for dental patients.

The basic dental hygiene program is designed to provide the student with knowledge and experience for the delivery of a broad spectrum of preventive and therapeutic oral health services to the public. The curriculum provides liberal arts and professional courses leading to a Bachelor of Science degree in dental hygiene. Two years of college prerequisites are required for admission, followed by two years in the professional dental hygiene program. The dental hygiene program is fully accredited by the American Dental Association Commission on Dental Accreditation.

### Employment Opportunities

Upon completion of the dental hygiene curriculum, graduates are qualified to take the Dental Hygiene National Board Examination and licensure exams in every state, the District of Columbia, Puerto Rico, Canada and abroad. Graduates are eligible for positions in private dental offices, public health programs, school health programs, dental hygiene education and research. In addition, the dental hygiene program provides instruction and experience in advanced procedures to broaden capabilities for clinical practice.

### Admission

Formal application for admission to the dental hygiene program must be submitted before January 15 of the year the student wishes to enter. Applicants must have completed prerequisite courses and completed specific requirements for consideration. Application materials must be forwarded to the Department of Dental Hygiene. Applications for the dental hygiene program and information regarding current admission criteria and procedures can be obtained directly from the department. Admission to Idaho State University is a separate procedure and must be completed simultaneously with application to the dental hygiene program.

### Academic Standards

To enroll in upper division courses with a dental hygiene prefix, students must be accepted for admission to the dental hygiene program. Each student is responsible for completing the required course

work in proper sequential order. To be eligible for graduation and progression in the dental hygiene program, the student must have a cumulative grade point average of 2.25. Course work for which the student receives a grade below "C" will not be accepted as fulfilling requirements for the Department of Dental Hygiene. Deviations from these standards must be approved by the department chairperson.

### Services

Preventive and therapeutic oral health services are provided by staff and experienced students in the dental hygiene clinic. Services for the public include oral prophylaxis, x-rays, nonsurgical treatment for periodontal (gum) disease, fluoride treatments, and patient education in the care of the mouth. Selected advanced services are available for full-time ISU students, faculty and staff. Individuals desiring information should inquire about the availability of services with the dental hygiene clinic receptionist.

### Graduation Requirements

Prerequisite courses (department requirements and general education)	40-51 cr
Required dental hygiene courses	67 cr
Other courses (including general education), minimum of:	15 cr
Electives	6 cr
<b>TOTAL:</b>	<b>134 cr</b>

## Bachelor of Science in Dental Hygiene

### Required Dental Hygiene Courses

DENT 307	Medical Emergencies in Dental Practice	3 cr
DENT 308	Oral Histology and Embryology	2 cr
DENT 309	Oral Pathology	2 cr
DENT 311	Tooth Morphology	2 cr
DENT 312	Head and Neck Anatomy	3 cr
DENT 313	Clinical Dental Hygiene I	2 cr
DENT 313C	Clinical Dental Hygiene I, Clinic	3 cr
DENT 314	Clinical Dental Hygiene II	2 cr
DENT 314C	Clinical Dental Hygiene II, Clinic	3 cr
DENT 315	Preventive Dentistry	2 cr
DENT 316	Dental Materials	2 cr
DENT 317	Oral Radiology I	1 cr
DENT 318	Oral Radiology II	2 cr
DENT 318L	Oral Radiology Laboratory	1 cr
DENT 319	Pre-clinical Expanded Functions	3 cr
DENT 320	Local Anesthesia	2 cr
DENT 321	Introduction to Periodontology	2 cr

DENT 401	Research Methodology	3 cr
DENT 402	Periodontology	3 cr
DENT 403	Clinical Dental Hygiene III	2 cr
DENT 403C	Clinical Dental Hygiene III, Clinic	4 cr
DENT 404	Clinical Dental Hygiene IV	2 cr
DENT 404C	Clinical Dental Hygiene IV, Clinic	4 cr
DENT 405	Special Procedures	1 cr
DENT 406	Oral Health Care for Patients with Special Needs	1 cr
DENT 408	Ethics and Jurisprudence	2 cr
DENT 409	Communication and Behavior Management in Dentistry	1 cr
DENT 410	Community Dental Health	3 cr
DENT 411	Expanded Functions I	2 cr
DENT 411C	Expanded Functions I, Clinic	1 cr
DENT 412	Expanded Functions II	1 cr
DENT 412C	Expanded Functions II, Clinic	1 cr

### Dental Hygiene Electives

DENT 305	Personal and Career Development	1 cr
DENT 330C	Summer Interim Clinic	2 cr
DENT 420	Dental Hygiene Specialty Emphasis	2 cr
DENT 481-482	Independent Problems in Dental Hygiene	1-6 cr

### Other Required Courses

PHAR 314	Basic and Applied Pharmacology for Dental Hygiene	3 cr
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### Prerequisite Courses (Pre-Dental Hygiene)

DENT 201	Principles of Dental Hygiene	2 cr
HCA 110	Introduction to Allied Health Professions	2 cr
ENGL 101	English Composition	3 cr
ENGL 201	Critical Reading and Writing	3 cr
COMM 101	Principles of Speech (satisfies Goal 2)	3 cr
PSYC 101	Intro to General Psychology I (satisfies Goal 12)	3 cr
SOC 101	Introduction to Sociology (satisfies Goal 12)	3 cr
BIOL 202	General Zoology	3 cr
BIOL 202L	General Zoology Laboratory (BIOS 202 and BIOS 202L satisfies Goal 4)	1 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS g301	Anatomy and Physiology	4 cr
BIOS g302	Anatomy and Physiology	4 cr
CHEM 101	Essentials of Chemistry I AND	5 cr
CHEM 1028	Essentials of Chemistry II (satisfies Goal 5)	5 cr
FCS 239	Nutrition	3 cr
MATH 143	College Algebra or competency exam	4 cr
MATH 253	Introduction to Statistics (satisfies Goal 3)	3 cr

IN ADDITION: Fulfillment of two of the following General Education Goals: 6, 7, 8. Fulfillment of two of the following Goals: 9, 10, 11. Elective DENT 220 is highly recommended for pre-dental hygiene students without dental office experience.

## Dental Hygiene Courses

**DENT 201 Principles of Dental Hygiene 2 credits.** Prevention of dental diseases, role of the dental hygienist and oral healthcare team are presented at the preprofessional level. Dental hygiene career content assists in formulating a career decision. F,S

**DENT 220 Introduction to the Dental Office 2 credits.** Introduction to dental terminology and office procedures including duties and responsibilities of various dental personnel through lectures, activities and field experiences. F

**DENT 305 Personal and Career Development 1 credit.** Incorporation of time management, stress management and assertiveness skills into career and life planning. F

**DENT 307 Medical Emergencies in Dental Practice 3 credits.** Lectures, discussions and preclinical simulations related to common medical emergencies occurring in dental practice. Emphasis on precautions, treatment alterations and management. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313C. F

**DENT 308 Oral Histology and Embryology 2 credits.** Study of the embryologic and histologic development of the face and oral structures and the histologic response of oral tissues specifically related to health and disease. Utilization of laboratory, microscopic and diagnostic aids. F

**DENT 309 Oral Pathology 2 credits.** Study of common oral lesions and neoplasms including general, dental and oral pathological processes with emphasis on etiology and clinical manifestations. Utilization of patient history, laboratory, roentgenographic and other diagnostic aids. PREREQ: DENT 308. S

**DENT 311 Tooth Morphology 2 credits.** Morphological characteristics and development of the teeth and oral structures. Emphasis on root anatomy and preparation for advanced clinical skills. F

**DENT 312 Head and Neck Anatomy 3 credits.** Descriptive anatomical study of regions of the head and neck, including skeletal, blood, and nervous tissues. Special emphasis on structures related to clinical dental hygiene procedures. COREQ: DENT 311. F

**DENT 313 Clinical Dental Hygiene I 2 credits.** Didactic introduction to infection control, comprehensive patient assessment procedures, basic instrumentation and their sharpening techniques, professional topical fluorides and their application. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313C. F

**DENT 313C Clinical Dental Hygiene I, Clinic 3 credits.** Preclinical application of principles, techniques, and concepts presented in DENT 307 and 313. PREREQ: ACCEPTANCE IN DENTAL HYGIENE PROGRAM. COREQ: DENT 313. F

**DENT 314 Clinical Dental Hygiene II 2 credits.** Continued didactic instruction expanding on principles of patient communication and implementation of dental hygiene procedures for a variety of clients. PREREQ: DENT 313, 313C. 315. COREQ: DENT 314C. S

**DENT 314C Clinical Dental Hygiene II, Clinic 3 credits.** Clinical application of dental hygiene care for clients with periodontal health, gingivitis, and early periodontitis. Emphasis on assessment, planning, implementation and evaluation. PREREQ: DENT 313, 313C, 315. COREQ: DENT 314. S

**DENT 315 Preventive Dentistry 2 credits.** Basics of dental disease etiology and methods for disease control. Theoretical and practical knowledge of fluoride utilization, diet management, patient education, and plaque removal. Emphasis on methods for increasing compliance by modifying behavior. F

**DENT 316 Dental Materials 2 credits.** Survey of physical and chemical properties of dental materials. Manipulation and practical application used in general restorative dentistry also are included. F

**DENT 317 Oral Radiology I 1 credit.** Survey of principles of x-ray production and radiographic equipment with emphasis on radiographic safety and protection. F

**DENT 318 Oral Radiology II 2 credits.** Principles and technique of exposing and interpreting oral radiographic surveys. PREREQ: DENT 312, 313, 313C, 317. S

**DENT 318L Oral Radiology Laboratory 1 credit.** Laboratory instruction and supervision for the production, processing, evaluation and interpretation of oral radiographs. Proficiency examination and educational training model experience precede patient exposure. PREREQ: DENT 317. COREQ: DENT 314C, 318. S

**DENT 319 Preclinical Expanded Functions 3 credits.** Didactic and laboratory application of dental materials and dental hygiene restorative expanded duties. Duties relate to amalgam, tooth colored and temporary restorations; four-handed dentistry; impressions and study models. PREREQ: DENT 311, 316. S

**DENT 320 Local Anesthesia 2 credits.** Didactic and clinical instruction in the administration of local anesthetic agents, with emphasis on techniques of field and nerve block anesthesia. PREREQ: DENT 307, 312. S

**DENT 321 Introduction to Periodontology 2 credits.** Concepts of periodontology involving assessment, etiology, risk factors, and classification of periodontal diseases; basic treatment planning, and periodontal debridement/root planing. PREREQ: DENT 308, 313, 313C. COREQ: DENT 314, 314C. S

**DENT 330C Summer Interim Clinic 2 credits.** Continued clinical application of dental hygiene procedures emphasizing total patient care. For students who require additional clinical course experience for DENT 314C or DENT 404C sufficient for progression or graduation. PREREQ: PERMISSION OF DEPARTMENT. Su

**DENT 401 Research Methodology 3 credits.** Fundamental and working knowledge of the scientific method employed in oral health research. Development of lifelong learning skills through critical analysis of research findings. PREREQ: MATH 253, ENG 201. F

**DENT 402 Periodontology 3 credits.** Continued study of periodontal diseases with emphasis on aggressive forms, periodontal treatment planning, maintenance procedures, related systemic diseases and therapy. PREREQ: DENT 314, 314C, 321. COREQ: DENT 404, DENT 404C. F

**DENT 403 Clinical Dental Hygiene III 2 credits.** Advanced clinical procedures in all phases of dental hygiene practice including nonsurgical periodontal therapy, ultrasonic scaling, instrument recontouring, assessment procedures and dietary counseling. PREREQ: DENT 314, 314C. COREQ: DENT 403C. F

**DENT 403C Clinical Dental Hygiene III, Clinic 4 credits.** Comprehensive care including assessment, planning, implementation and evaluation. Emphasis on skill development in nonsurgical periodontal therapy, oral self-care education, ethical/professional case management. PREREQ: DENT 314, 314C. COREQ: DENT 403. F

**DENT 404 Clinical Dental Hygiene IV 2 credits.** Continued study of advanced clinical procedures. Emphasizes periodontal instrumentation and advanced ultrasonic techniques, subgingival irrigation, airpolishing, job interviewing, résumé writing and professional practice management. PREREQ: DENT 403, 403C. COREQ: DENT 404C. S

**DENT 404C Clinical Dental Hygiene IV, Clinic 4 credits.** Comprehensive care including assessment planning, implementation and evaluation is practiced. Emphasis on proficiency in nonsurgical periodontal therapy, ethical/professional case management and practice management. PREREQ: DENT 403, 403C. COREQ: DENT 404. S

**DENT 405 Special Procedures 1 credit.** Principles and techniques of special dental hygiene procedures including margination, finishing/polishing restorations, panoramic surveys, alginate impressions, study casts, pit and fissure sealants and other legally delegated oral health services. COREQ: DENT 403C, 411C. F

**DENT 406 Oral Health Care for Patients with Special Needs 1 credit.** Modifications of dental hygiene care for individuals with transient or lifelong special needs emphasizing the elderly, people with disabilities and individuals from diverse cultures. F

**DENT 408 Ethics and Jurisprudence 2 credits.** The study of legal, ethical, and moral responsibilities of health care professionals as related to the practice of dental hygiene. Licensure, legal terminology and the Idaho Dental Practice Act will be discussed. F

**DENT 409 Communication and Behavior Management in Dentistry 1 credit.** Principles of communication and behavior management as related to patient-provider

relationships, management of dental fears/anxiety, and interpersonal interactions in the employment setting. S

**DENT 410 Community Dental Health 3 credits.** Concepts of preventive dentistry, public health, and research are applied to achieve a sustained improvement in the oral health behavior, knowledge, and attitude of a group of subjects not normally seen as patients. Field experiences required. PREREQ: DENT 315, DENT 401. S

**DENT 411 Expanded Functions I 2 credits.** Didactic and laboratory application of advanced procedures emphasizing pain control methods, preventive and restorative expanded functions and four-handed dentistry procedures. PREREQ: DENT 319, 320. COREQ: DENT 411C. F

**DENT 411C Expanded Functions I, Clinic 1 credit.** Clinical application of advanced procedures emphasizing pain control methods, restorative expanded functions and four-handed dentistry techniques. PREREQ: DENT 319, 320. COREQ: DENT 411. F

**DENT 412 Expanded Functions II 1 credit.** Didactic and laboratory application of periodontic, prosthodontic, and other specialty expanded functions for the dental hygienist. PREREQ: DENT 411. COREQ: DENT 412C. S

**DENT 412C Expanded Functions II, Clinic 1 credit.** Continuation and amplification of skills developed in DENT 411C. PREREQ: DENT 411, 411C. COREQ: DENT 412. S

**DENT 420 Dental Hygiene Specialty Emphasis 2 credits.** Didactic and clinical instruction offered in three dental hygiene specialties, including community dental health, dental hygiene education, and advanced clinic and periodontology. Students select one emphasis. PREREQ: DENT 402. S

**DENT 481-482 Independent Problems in Dental Hygiene 1-3 credits.** Students will select an area of special interest to pursue through independent study. The student normally is required to present a report giving results of his/her work. F, S, Su

## Department of Family Medicine

Director and Associate Professor: Cree  
Associate Director and Associate Professor: Short  
Clinic Medical Director and Assistant Professor: Woodhouse  
Associate Professors: Ratcliff, Rush  
Assistant Professors: Force, Mills, Pastorino, Roberts

## Family Practice Residency Program

The Idaho State University Family Practice Residency is a postgraduate training program for physicians who have an M.D. or D.O. degree. The program is affiliated with the medical schools of the University of Utah and the University of Washington and is accredited by the Accreditation Council for Graduate Medical Education. The Family Medicine Clinic, located on the ISU campus, is the outpatient training site; hospital rotations are scheduled at Bannock Regional Medical Center and Pocatello Regional Medical Center.

Accepting four residents per year, the program trains Family Physicians to practice in rural Idaho. The curriculum includes family medicine, obstetrics/gynecology, surgery, internal medicine, pediatrics, geriatrics, emergency medicine, community medicine, behavioral science, rural medicine, orthopedics and other subspecialties.

For more information, please contact:

Family Practice Residency Program  
Graveley Hall, South Wing, Level 2  
Idaho State University  
Campus Box 8357  
Pocatello, ID 83209  
(208) 236-4508

## Department of Health and Nutrition Sciences

Chair and Professor: Girvan  
Professor: L. Morris  
Associate Professors: Dundas, Kearns, McAleese  
Assistant Professors: Evans, Marincic, Rankin, Walsh  
Instructors: Francfort, McKnight  
Adjunct Faculty: Batacan, Marler, J. Morris, Vance  
Academic Outreach Adjunct Faculty: Greenblatt, Johnson

The Department of Health and Nutrition Sciences offers baccalaureate degree pro-

grams in health education and dietetics. The health education program is accredited by the Association for the Advancement of Health Education through NCATE. Students may choose from two options: 1) leading to public school teaching certification or 2) non-teaching which is generally designed to train individuals for health education roles in the public health/worksites setting. For those seeking to be certified in public school teaching in health, a minor or a component in elementary education is also available.

The Bachelor of Science degree in Dietetics is approved by the American Dietetic Association. Upon completion of the baccalaureate degree program, graduates are eligible to apply for supervised practice/internship programs that prepare students to become Registered Dietitians and work in the areas of clinical dietetics, community nutrition, and food service management. The Department of Health and Nutrition Sciences offers a Master of Public Health (in Pocatello and in Boise) and a Dietetic Internship Program as a post graduate practicum option in dietetics. A minor in foods and nutrition is offered through the Department of Occupational Education.

Regardless of the degree sought, students must fulfill all department and university requirements for the Bachelor of Arts or the Bachelor of Science degree. In addition, each prospective student must be assigned to a subject area advisor prior to beginning their program.

## Bachelor of Arts or Bachelor of Science in Health Education

There is little doubt in today's world that health promotion/disease prevention strategies are on nearly every national health care agenda. As a society, we have learned that a fuller measure of health, a better quality of life, is within the grasp of most all people. The lifestyle choices a person makes today may influence that individual's health forever.

The undergraduate program in health education is designed to prepare students to

teach preventive health strategies. More specifically, they learn to assess, plan, implement, deliver, and evaluate health promotion programs that facilitate the voluntary adoption of actions which are conducive to the health of individuals, groups, or communities. To earn a degree, each student must complete the core requirements listed below, and then she/he may choose courses which prepare for practice in either the public school setting or the community/worksites setting.

### Admission

Application for admission to the health education program is required of all students desiring to progress toward a major or minor. Current Idaho State University students may apply for program admission during the first semester of their sophomore year (October 1 for spring admission or March 15 for fall admission). Transfer students must submit a copy of all transcripts completed at other colleges or universities other than Idaho State University to the department admissions committee by March 15 for fall admission or by October 1 for spring admission. Applicants will be notified of their status by April 15 for fall admission or October 15 for spring admission.

The following criteria must be met for an applicant to be eligible for consideration for admission to the health education program:

- A minimum cumulative grade point average of 2.5 at the time of application (second semester of sophomore year).
- Maintenance of the 2.5 minimum grade-point average from the time of application until the semester of admission.
- Completion of a declaration of major/minor form including the name of an assigned advisor.
- Completion of concurrent enrollment in the following courses or equivalents (with a grade of "C" or better in coursework in health education): ENGL 101, COMM 101, MATH 107, ENGL 201, CHEM 100, H E 200, H E 205, HE 221, FCS 239.
- Submission of a written application to the Health Education Admissions Committee (an oral interview may be required on an individual basis in addition to the written application).

## Major in Health Education

The following courses are required in addition to the university general education requirements for the B.A. or B.S. degree:

### Core Requirements:

H E 200	Promoting Wellness	2 cr
H E 221	Introduction to Health Education	1 cr
H E 332	Community and Public Health	2 cr
H E 339	Methods of Teaching Health	2 cr
H E 340	Fitness and Wellness Programs	3 cr
H E g360	Healthy Lifestyle Management	3 cr
H E 401	Issues in Health and Wellness	4 cr
H E 402*	Core Topics in Health	4 cr
H E 420**	Health Planning and Evaluation	2 cr
	OR	
H E 430***	Curriculum in Health Education	2 cr
FCS 239	Nutrition	3 cr
		TOTAL: 26 cr

\*Choose issues classes from the following: stress management, aging and health, death and dying, consumer health, violence prevention, HIV/AIDS, suicide prevention, alcohol and addictive behaviors, mental health, computer applications in health, comprehensive school health programs, trust and self-esteem development.

\*\*Restricted to those individuals planning to practice in a community setting.

\*\*\*Restricted to those individuals planning a school teaching career.

Completion of above courses satisfies the requirements for a minor. In the core and in health education electives, grades lower than a "C" will not be accepted and must be repeated.

### In Addition:

The student must present a current Red Cross First Aid Card to advisor or complete H E 205, First Aid and Safety.

Eight additional credits of electives from any of the other courses listed below or approved by the advisor must be completed.

HCA 210	Medical Terminology and Communication	2 cr
HCA 350	Organizational Behavior in Health Care	3 cr
HCA g375	Health Care Law	3 cr
HCA g382	Health Services Organization and Policy	3 cr
HCA g383	Epidemiology	3 cr
HCA g473	Marketing For Health Care Organizations	2 cr

H E 211	Health Education Methods/ Elementary	2 cr
H E g401	Issues in Health and Wellness	2 cr
H E g402	Core Topics in Health	2 cr
H E g420	Health Planning and Evaluation	2 cr
H E 485	Independent Study in Health	1-3 cr
FCS/NTD 405	Community Nutrition Issues	2 cr
FCS/NTD 439	Sports Nutrition	2 cr
NTD 420	Nutrition Education Strategies	2 cr
P E 243	Anatomical Foundations of Human Activity	2 cr

## Health Education Courses

**H E 100 Driver Training and Traffic Safety 1 credit.** Basic instruction and procedures in the operation of motor vehicles, defensive driving, and general traffic safety. Classroom, driving simulation, and range and road experience. D

**H E 200 Promoting Wellness 2 credits.** A survey of the issues and topics that most affect health and wellness. Particular emphasis is placed on the intelligent self-direction of health behaviors. Topics address individual health assessments and decision-making skills. F, S, Su

**H E 205 First Aid and Safety 2 credits.** Principles and practices of first aid and CPR. Includes prevention programming for preparing students to assume safety responsibilities at home or in the worksite. F, S, Su

**H E 211 Health Education Methods/Elementary 1 credit.** A study of subject content of the health education program with emphasis on methods and materials to be used by the elementary classroom teacher. F, S, Su

**H E 221 Introduction to Health Education 1 credit.** Study of aims, objectives, current practices, similarities and differences in health education programs in various settings. F, S

**H E 332 Community and Public Health 2 credits.** A basic study of the structure and function of community and public health with specific application to the educational setting. F, S

**H E 339 Methods of Teaching Health 2 credits.** Subject content of the health education program and the materials, methods and evaluative procedures utilized by the teacher. F, S

**H E 340 Fitness and Wellness Programs 3 credits.** A study of the theory, development, and application of components necessary for providing fitness and wellness programs in a variety of settings. F, S, Su

**H E 350 Driver and Traffic Safety Education I 2 credits.** Comprehensive study of factors basic to responsible driving. Practical application to improved driving skills and understanding of the organization, administration, and planning of a driver traffic safety education curriculum. Su

**H E g360 Healthy Lifestyle Management 3 credits.** Provides a basic understanding of the social, emotional, and lifestyle factors related to health behavior. Strategies designed to identify barriers to behavior and to enhance the health of selected populations are examined. F, S, Su

**H E g397 Professional Education Development V 1-3 credits.** A course for the practicing educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. A maximum of 10 credits may be applied to fifth year programs. Graded S/U. D

**H E g401 Issues in Health and Wellness 1-3 credits.** Issues in wellness with application to health education curricula and methodology. Typical topics include: stress management, aging, death and dying, and violence prevention. May be repeated to 6 credits. F, S, Su

**H E g402 Core Topics in Health 1-3 credits.** Four core health education topics relevant to school and community settings: diseases, environmental health, human sexuality, and substance abuse. Application to existing health education programs. May be repeated up to 6 credits. F, S, Su

**H E g420 Health Planning and Evaluation 2 credits.** Provides both a theoretical framework for and skill development in organizing, planning, implementing, and evaluating community health interventions. Key topics include: planning models, assessing community needs, evaluation design, and budgeting. F, S

**H E 430 Curriculum in Health Education 2 credits.** Health education planning and implementation of content into the public school curriculum is emphasized. External influences on health programs such as state guidelines, legislation, and parent and community groups will be discussed. F, S

**H E g441 Driver and Traffic Safety Education II 2 credits.** Development of student learning activities in driver and traffic safety education. Directed laboratory teaching experience includes teaching of beginning drivers in classroom and behind-the-wheel phases. PREREQ: H E 350. S

**H E g485 Independent Problems in Health Education 1-3 credits.** Individual work under staff guidance. Field and/or library research on specific health education problems of interest to majors and minors. Permission of instructor. May be repeated up to 6 credits. F, S, Su

**H E 490 Practicum-Health Education 1-16 credits.** Practical experience in a field based setting, congruent with student's employment goals. May require multiple experiences in a variety of settings outside K-12 school settings. F, S, Su

**H E g491 Health Education Workshop 1-3 credits.** A critical analysis of one or more areas of health education. Limited enrollment. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

**H E 495 Health Education: Student Teaching 7-14 credits.** Observation and teaching

under supervision in approved health education programs with the opportunity to assume direct responsibility for the learning activities of secondary level students. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND APPROVED APPLICATION FOR STUDENT TEACHING. Graded S/U. F, S

## Major in Dietetics (Didactic Program in Dietetics)

The Bachelor of Science degree in Dietetics is approved by the American Dietetic Association. Students may enter the Pre-Dietetics component of the program following admission to the university. All students seeking a major in Dietetics must be advised by a member of the Dietetics faculty in the Department of Health and Nutrition Sciences.

Students seeking admission into the Didactic Program in Dietetics (DPD) must complete or have already successfully completed the courses outlined under the Pre-Dietetics curriculum. In addition, a student's cumulative grade point average in all previous college courses that are applied toward a degree in Dietetics must be 2.5 or above. No course grade lower than a "C" will be accepted in any of the following classes: CHEM 101, 102; BIOS 221, 223, 301, 302; ENGL 101, 201; or FCS 104, 204, 239. Fulfillment of the specific requirements does not ensure admission into the program.

Students should apply for admission into the Didactic Program in Dietetics (DPD) during the second semester of the sophomore year. The application deadline is March 10th for admission the following fall. Applications may be obtained from the Department of Health and Nutrition Sciences (208) 236-2729.

Graduation requirements for a Bachelor of Science degree in dietetics include completion of all university general education requirements for a Bachelor of Science degree, completion of both pre-Dietetics and DPD courses, a minimum of 128 credit hours, and maintenance of a minimum grade point average of 2.5 with no grade lower than a "C" in specific DPD course requirements.

Completion of the required course work and attainment of a Bachelor of Science degree in Dietetics makes one eligible to apply for admission into a post baccalaureate practical experience (Dietetic Internship, Pre-Professional Practice Program, or Coordinated Program) as designated by the American Dietetic Association. The graduate must complete a practicum prior to becoming eligible to take the National Registry Exam for Dietitians.

## Pre-Dietetics

### Required Courses

ENGL 101	English Composition	3 cr
ENGL 201	Critical Reading and Writing	3 cr
ECON 201	Principles of Macroeconomics	3 cr
H E 401	Computer Applications in Health Education	1-3 cr
COMM 101	Principles of Speech	2 cr
PSYC 101	Intro to General Psychology	3 cr
SOC 101	Introduction to Sociology	3 cr
MATH 253	Introduction to Statistics	3 cr
CHEM 101	Essentials of Chemistry I	5 cr
CHEM 1028	Essentials of Chemistry II	5 cr
BIOL 202	General Zoology	3 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS g301	Anatomy and Physiology	4 cr
BIOS g302	Anatomy and Physiology	4 cr
FCS 100	Professional Home Economics	1 cr
FCS 104	Foods	3 cr
FCS 204	Meal Management	2 cr
FCS 239	Nutrition	3 cr

In addition: University General Education Requirements Goals 3, 6, 7 or 8, 9 or 10A or 10B

### Didactic Program in Dietetics Required Courses

ACCT 201	Principles of Accounting I	3 cr
BIOS 485	Nutritional Biochemistry	3 cr
FCS 400	Leadership Issues Seminar	1 cr
MGT g312	Individual and Organizational Behavior	3 cr
NTD 300	Clinical Nutrition I	5 cr
NTD 301	Clinical Nutrition II	5 cr
NTD 312	Quantity Foods	3 cr
NTD 405	Community Nutrition Issues	2 cr
NTD 406	Community Nutrition Laboratory	2 cr
NTD 410	Foodservice Systems Management	5 cr
NTD g420	Nutritional Education Strategies	2 cr
NTD g457	Experimental Foods	3 cr
NTD g461	Advanced Nutrition	3 cr
H E g401	Issues in Health and Wellness (Computer Applications section)	1 cr

In addition: Electives to total 128 credits. See advisor regarding class sequencing.

# Dietetic Internship Program

The Dietetic Internship Program will provide for supervised experience in clinical, community, and administrative dietetics leading to a certificate of completion. Graduates of the Dietetic Internship Program will be eligible to take the National Registry Exam for Dietitians.

Candidates must have a Bachelor of Science degree in Dietetics, Family and Consumer Sciences (Home Economics), or Food and Nutrition and have completed Didactic Program in Dietetics requirements as established by the American Dietetic Association. A minimum grade point average of 2.75 is required for admission. Up to four students will be admitted to the program each semester. Enrollment in the Idaho State University Didactic Program in Dietetics and/or fulfillment of specific requirements does not ensure admission into the Dietetic Internship Program.

New students are admitted to the Dietetic Internship Program during both fall and spring semesters. Candidates should submit all application materials no later than February 15th of the spring semester for admission the following fall, and no later than September 25th for admission the following spring. Application packets can be obtained from the Department of Health and Nutrition Sciences (208) 236-2729. A \$35 fee will be charged for processing applications.

## Required Courses

NTD 488	Advanced Dietetics Practicum I	15 cr
NTD 489	Advanced Dietetics Practicum II	15 cr

\*A \$500 course fee will be applied in addition to tuition for each NTD 488 and NTD 489.

## Nutrition and Dietetics Courses

Course descriptions and numerical listings for lower division food and nutrition courses can be found under Family and Consumer Sciences (Home Economics) course listings. These courses serve as prerequisites for several upper division Nutrition and Dietetics courses listed below.

**NTD 300 Clinical Nutrition I 5 credits.** Introduction to dietetics, diet therapy, principles and practices of nutritional care. Development of skills through clinical experiences of nutritional care planning. Three hours lecture/six hours clinical. PREREQ: FCS 239; BIOS g301, g302. F

**NTD 301 Clinical Nutrition II 5 credits.** Continuation of NTD 300 with emphasis on calculations of intake, charting progress and menu writing. Therapeutic nutrition as related to disease is emphasized. Three hours lecture/six hours clinical. PREREQ: NTD 300. S

**NTD 312 Quantity Foods 3 credits.** Principles and procedures for preparation of quantity food. Experiences in food production facilities with coordination of management principles through cost control, supervision, and food production. One hour lecture/six hours clinical. Cross-listed as FCS 312. PREREQ: FCS 204. F

**NTD 340 Therapeutic Nutrition 2 credits.** Study of nutritional restrictions and requirements related to the treatment of disease. PREREQ: FCS 239; BIOS g301, g302, 305 SUGGESTED. F

**NTD 405 Community Nutrition Issues 2 credits.** Exploration of current nutrition issues affecting public health. Introduction to government/private food assistance programs. Development of skills in needs assessment and project development of community nutrition programs. Cross-listed as FCS 405. PREREQ: FCS 239. S

**NTD 406 Community Nutrition Laboratory 2 credits.** Practical experiences in community service and public and private health care agencies. Cross-listed as FCS 406. PREREQ: NTD 300,301 OR PERMISSION OF DEPARTMENT. COREQ: NTD 405. S

**NTD g409 Professional Readings 1-3 credits.** Identification and investigation of conceptual ideas about the relationship of programs, trends, legislation, and developments in the Family and Consumer Sciences environment. Analyze and summarize content. Cross-listed as FCS g409. PREREQ: PERMISSION OF INSTRUCTOR. D

**NTD 410 Foodservice Systems Management 5 credits.** Principles and concepts of foodservice management: planning, organization, and controls. Development of skills through projects in foodservice facilities. Three hours lecture/six hours clinical. Cross-listed as FCS 410. PREREQ: FCS/NTD 312 AND MGT 312. F

**NTD g420 Nutrition Education Strategies 2 credits.** Methods, materials, and evaluation procedures utilized in teaching nutrition to various audiences. Practical experiences for students in effectively educating consumers about nutrition. PREREQ: FCS 139 OR 239. F, S, Su

**NTD g439 Sports Nutrition 2 credits.** Review of nutrition recommendations for both competitive and recreational athletic performance. Rationale for nutrition practices is given through an examination of individual nutrient metabolism. Controversies and misinformation addressed. Cross-listed as FCS g439. PREREQ: FCS 239 SUGGESTED. S

**NTD g457 Experimental Foods 3 credits.** Development of experimental methods and their application to cookery and food technology; preparation of student for independent investigation in foods; acquaintance with literature in the field. Two hours lecture/four hours laboratory. Cross-listed as FCS g457. PREREQ: FCS 104; JUNIOR STANDING. F

**NTD g461 Advanced Nutrition 3 credits.** Advanced study of nutrition science, including protein, carbohydrate, lipid, vitamin, and mineral metabolism. Introduction to research methodology and professional literature. Cross-listed as FCS g461. PREREQ: FCS 239, CHEM 102. F

**NTD 488 Advanced Dietetics Practicum I 15 credits.** Supervised field experience at cooperative regional health care facilities and food service establishments. Emphasis on broad exposure to clinical, community and administrative Dietetics. PREREQ: ADMISSION INTO DIETETIC INTERNSHIP PROGRAM. Graded P/NP. F, S

**NTD 489 Advanced Dietetics Practicum II 15 credits.** Continuation of NTD 488 with supervised field experience at cooperative regional health care facilities and food service establishments. Emphasis on entry level skills in clinical, community, and administrative Dietetics. PREREQ: NTD 488. Graded P/NP. F, S

**NTD g491-492 Special Problems in Nutrition and Dietetics 1-2 credits.** Students select problems on the basis of special needs, interests, or abilities and work on them independently in the laboratory, library, or community, with regular conferences with the advisor. PREREQ: PERMISSION OF INSTRUCTOR. D

# Department of Health Care Administration

Chair and Professor: Weppner  
 Professor: Kritsky  
 Associate Professor: Bowman  
 Adjunct Faculty: Casperon, Hunt, Ryan, Weeg

Health care facilities constitute some of the most complex institutions in our society. These facilities and the scope of their services are becoming more responsive to the community they serve. The health care administrator is at the forefront of these activities and is in demand in a number of organizations, including hospitals, extended-care facilities, group practices, insurance companies, state and federal health agencies, educational programs and research institutions. The purpose of the undergraduate program in health care administration at Idaho State University is to prepare students

for the wide range of activities needed for administration of health care facilities and to provide service courses for students majoring in other health-related programs. Also, the program is designed to provide students with the basic requirements to pursue a graduate degree in the field. The curriculum leads to a Bachelor of Science degree in health care administration. Students may enroll in the program at the beginning of any semester and must meet requirements provided below:

## Bachelor of Science in Health Care Administration

### Courses Which Fulfill Both General Education Goals and Major Requirements (6 credits)

<b>Goal 11</b>		
ECON 201	Principles of Macroeconomics	3 cr
<b>Goal 12</b>		
ANTH 100	General Anthropology	3 cr
PSYC 101	Intro to General Psychology	3 cr
SOC 101	Introduction to Sociology	3 cr
		TOTAL: 6 cr

### Other Required Courses in Liberal Arts (9 credits)

ENGL 307	Professional Writing	3 cr
ENGL 308	Business Communications	3 cr
ECON 202	Principles of Microeconomics	3 cr
MATH 253	Introduction to Statistics	3 cr
PSYC 227	Basic Statistics	3 cr
MGT 216	Business Statistics	3 cr
		TOTAL: 9 cr

### Business Core Requirements

ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
CIS 120	Introduction to Computer Systems	3 cr
FIN 315	OR Equivalent Corporate Financial Management	3 cr
FIN 478	Investments	3 cr
MGT 261	Legal Environment of Organizations	3 cr

MGT 329	Operations/Production Management	3 cr
MKTG 325	Basic Marketing Management	3 cr
		TOTAL: 24 cr

### Health Care Administration Core Requirements

HCA 110	Introduction to the Allied Health Professions	2 cr
HCA 210	Medical Terminology and Communication	2 cr
HCA 350	Organizational Behavior in Health Care	3 cr
HCA g375	Health Care Law	3 cr
HCA g382	Health Services Organization and Policy	3 cr
HCA g383	Epidemiology	3 cr
HCA 384	Human Resource Management in Health Care Organizations	3 cr
HCA 401	Internship in Health Care Administration	8 cr
HCA 453	Health Care Finance	3 cr
HCA 455	Health Care Organization Management	3 cr
HCA 491	Senior Seminar	3 cr

### Plus 2 credits from the following courses:

HCA 451	Hospital Management	2 cr
HCA 452	Long Term Care Management	2 cr
HCA g473	Marketing For Health Care Organizations	2 cr
		TOTAL: 38 cr

### Elective courses

The student is required to select 51 semester hours of goal and elective courses. Elective courses should be selected according to the student's interests and career needs, in conjunction with a faculty advisor. No more than a total of 32 credit hours (required and elective) may be taken in the College of Business.

### Recommended electives

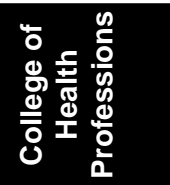
The student is strongly encouraged to take the following 3 credits among the 51 semester hours:

CIS 381	Management Information Systems	3 cr
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Total required credits for Bachelor of Science in health care administration: 128.

### Admission and Program Graduation Requirements

Application forms for admission as a major in health care administration should be requested from the department office. Completed application forms and copies of transcripts of previous college work must be submitted to the department not before the student's second semester, sophomore year. Applications are considered by the department's admission committee as



they are received. Cumulative college or university grade point averages of 2.75 or higher are required for admittance as a major. The following courses are prerequisites for admission as health care administration major: ACCT 201, CIS 120 or equivalent, ECON 201, HCA 110, HCA 210, AND GOAL 1 and GOAL 3 REQUIREMENTS.

Students are required to earn a grade of C or better in all business, HCA and required courses. Students who receive a grade of D or below twice in the above required courses will not be admitted and if admitted will be dropped from the Bachelor of Science program. All such decisions will be reviewed by the department's admission committee.

Students whose cumulative GPAs fall below 2.75 will be unable to continue in the program until the cumulative average is 2.75 or better.

HCA 400-level courses are reserved for HCA majors. Non-HCA majors must secure the permission of the instructor to enroll in HCA 400-level courses.

## Health Care Administration Courses

**HCA 110 Introduction to the Allied Health Professions 2 credits.** Introduction to the allied health professions with emphasis on inter-relationships and the team approach to health care. F, S

**HCA 210 Medical Terminology and Communication 2 credits.** Terminology and vocabulary basic to all areas of medical science, hospital services, and allied health specialties. Enables student to develop skills in correct usage, both written and oral, of medical terms. F

**HCA 350 Organizational Behavior in Health Care 3 credits.** Study of individual and group behavior in HCOs. Topics include social responsibility and ethics; decision making; motivation; leadership; communication; power, politics and stress; organizational culture, change and development. F

**HCA g375 Health Care Law 3 credits.** Principles governing application of contemporary law to health care organizations and personnel, standards of care, and liability for breach of care. Examines tort, contract, and statutory law related to health care delivery. S

**HCA g382 Health Services Organization and Policy 3 credits.** U.S. health care organization and delivery and how governmental policy affects it. Emerging trends, vital statistics, the impact of economics and financing,

cost containment, and political aspects will be examined. F

**HCA g383 Epidemiology 3 credits.** Patterns of disease in populations, with special emphasis on the control of disease and the ecological forces and changes in social structures that influence the occurrence and distribution of disease. S

**HCA 384 Human Resource Management in Health Care Organizations 3 credits.** EEO; job analysis, design, description and evaluation; wage and salary administration; recruitment and selection; personnel testing; assessing employee performance; communication; training and development; and employee discipline. S

**HCA 401 Internship 8 credits.** Exposure to administration of health facilities. Student completes 440 hours within a semester or summer session in approved health facility. PREREQ: HCA MAJOR, SENIOR, AND DEPARTMENT APPROVAL. STUDENT MUST REGISTER THE SEMESTER INTERNSHIP IS TAKEN. Graded S/U. F, S, Su

**HCA 451 Hospital Management 2 credits.** Topics include hospital governance, medical staff, hospital programs, nursing service, administrator's tasks and functions, management of quality, costs and conflict, unionization and collective bargaining, and government financial regulations. PREREQ: HCA g382. F

**HCA 452 Long Term Care Management 2 credits.** The management of nursing homes and other long term facilities. Includes supervisory policies, labor relations, human relations, gerontology and geriatrics, nutrition and house-keeping, patient care, reimbursement policies, purchasing, inventory, and financial analysis. F

**HCA 453 Health Care Finance 3 credits.** Managerial aspects of financial analysis. Includes analysis of financial statements, costs, capital projects, and working capital; Medicare, Medicaid, changes and rate setting under reimbursement schedules; and strategic planning. PREREQ: ACCT 201, FIN 315. S

**HCA 455 Health Care Organization Management 3 credits.** Applies managerial concepts and roles to HCOs. Examines input-conversion-output models; allocation, utilization, and control of resources; using human resources; personnel considerations, and labor relations. PREREQ: ALL HCA 300 LEVEL COURSES. F

**HCA g473 Marketing for Health Care Organizations 2 credits.** Current marketing trends in the health care marketplace. Consumer orientation; health care marketing plans and strategy development. PREREQ: MKTG 325. S

**HCA 481 Independent Problems in Health Services Administration 1-3 credits.** Student selects an area of special interest through independent study. A report will be required giving results. May be repeated for a maximum of 6 elective credits. PREREQ: HCA MAJORS ONLY. D

**HCA 491 Senior Seminar 3 credits.** Capstone course. Brings together all learning activities including general education, business, and required health care administration courses. PREREQ: SENIOR, AND COMPLETION OF REQUIRED HCA 300 LEVEL COURSES OR PERMISSION OF INSTRUCTOR. F, S

## Idaho Dental Education Program (IDEP)

Program Director and Associate Professor: Friedrichsen  
Adjunct Faculty: Hiller, Nielsen

The Idaho Dental Education Program (IDEP) is designed to provide residents of Idaho with access to a high quality dental education as if Idaho had its own dental school. The IDEP program is fully accredited by the American Dental Association. The program involves a first year curriculum at Idaho State University in Pocatello, followed by completion of the second through fourth years at Creighton University in Omaha, Nebraska. Students completing the four year program receive the Doctor of Dental Surgery (D.D.S.) degree and are eligible to take the licensure examinations necessary to become a practicing dentist. Students may also elect to pursue advanced training through residencies or specialty programs, eventually becoming board certified in one of the recognized dental specialties.

There are seven positions available for Idaho residents; a number which is designed to closely match the future need for dentists in Idaho. Applicants to the program must have completed the necessary prerequisites in English, Biology, Inorganic Chemistry, Organic Chemistry, Physics and other requirements as outlined in the Idaho Dental Education Program Bulletin. In addition to fulfilling the minimal prerequisites most students accepted into the program will have a bachelor's degree at the time of entry into IDEP. Each year however, some exceptional students who have completed the junior level (upper division) of college course work are admitted into the program.

Students are encouraged to work closely with their pre-dental academic advisor in making course selections which fulfill dental school and degree completion requirements.

Formal application for admission to the IDEP program follows the guidelines printed in the Idaho Dental Education Program Bulletin and the Creighton University School of Dentistry Bulletin. The application process involves: taking the Dental Aptitude Test (DAT), completion of the American Association of Dental Schools Application Service (AADSAS) centralized application, the Creighton Supplemental Application and the IDEP Residency Certification Form. Although the application process can be initiated as late as January 1 of the year the student plans to enter the program, earlier application is strongly encouraged to allow adequate time for completion of admission requirements and consideration by the admissions committee.

Further information concerning the program, admission requirements, Bulletins and Residency Certification forms can be obtained by contacting the program at:

Steven W. Friedrichsen, DDS, Chairman  
Idaho Dental Education Program  
Box 8088  
Idaho State University  
Pocatello, ID 83209-8088  
Phone: (208) 236-3289

## Required Basic Science Courses

BIOS 500	Oral Histology and Embryology	3 cr
BIOS 500L	Oral Histology and Embryology Lab	0 cr
BIOS 519	Mammalian Histology	4 cr
BIOS 519L	Mammalian Histology Lab	0 cr
BIOS 532	Biochemistry	3 cr
BIOS 540	Human Gross Anatomy	4 cr
BIOS 540L	Human Gross Anatomy Lab	0 cr
BIOS 546	Selected Topics in Physiology	1 cr
BIOS 550	Head and Neck Anatomy	3 cr
BIOS 550L	Head and Neck Anatomy Lab	0 cr
BIOS 555	Pathogenic Microbiology	3 cr
BIOS 560	Neuroanatomy	2 cr
BIOS 568	Oral Microbiology	1 cr

## Required Dental Science Courses

IDEP g413/ CU(OPD)113	Dental Anatomy Lecture I	1 cr
IDEP g414/ CU(OPD)114	Dental Anatomy Laboratory	3 cr
IDEP g415/ CU(OPD)115	Dental Materials Science I	2 cr
IDEP g417/	Interpersonal Relationships	

CU(CPD)111 IDEP g423/ CU(CPD)113 IDEP g424/ CU(CPD)134 IDEP g425/ CU(CPD)115 IDEP g426/ CU(CPD)134 PSYC g499/ CU(PDO)131 IDEP g433/ CU(CPD)132 IDEP g434/ CU(OPD)135 IDEP g435/ CU(FPR)132 IDEP g444/ CU(CPD)143 IDEP g454/ CU(FPR)135	and Communication Preventive Dentistry Community Dentistry History of Dentistry Community Dentistry Field Experience Behavioral Growth and Development Oral Hygiene Technique Dental Materials Science II Occlusion Laboratory Values and Ethics Occlusion Lecture	1 cr 2 cr 3 cr 1 cr 1 cr 1 cr 1 cr 1 cr 3 cr 1 cr 1 cr 1 cr 1 cr
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## Optional Dental Science Courses

IDEP 617/ CU(CPD)417	Extramural Dental Education Program	2 cr
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## IDEP Courses

**IDEP g413 and CU(OPD) 113 Dental Anatomy Lecture I 1 credit.** Nomenclature, chronology and methods of designation of human teeth. Form, size and contour of the teeth, including external and internal anatomy of the permanent and deciduous dentitions, intertooth relations and occlusion. D

**IDEP g414 and CU(OPD) 114 Dental Anatomy Laboratory 3 credits.** Carving of plaster teeth larger than average measurements and carving of wax teeth to natural size. Mounting of study casts on a functional articulator and waxing of teeth in occlusion. F

**IDEP g415 and CU(OPD) 115 Dental Materials Science I 2 credits.** Composition, properties and application of the materials used in dentistry. Basic information on the design of preparatory work necessary for the mouth incident to the reception of these materials. F

**IDEP g417 and CU(CPD) 111 Interpersonal Relationships and Communication 1 credit.** To assist their orientation and adjustment to professional education, freshmen will participate in group introductions followed by a discussion on interpersonal relationships and communication in general, relationships with classmates, administrators, faculty, and staff; dealing with stress; and establishing study habits. Graded P/NP. F

**IDEP g423 and CU(CPD) 113 Preventive Dentistry 2 credits.** Introducing the philosophy and need for preventive dentistry by developing the student's knowledge of and skills for effective oral hygiene. Concepts of self motivation, knowledge of dental diseases and abnormalities; application of the principles of fluoridation, nutrition, patient motivation, and home care. F

**IDEP g424 and CU(CPD) 131 Community Dentistry 3 credits.** Principles of cancer epidemiology, public health dentistry, dental health education, and preventive programs in

the schools and community. Developing the elemental concepts of research design, measurement and statistics. S

**IDEP g425 and CU(CPD) 115 History of Dentistry 1 credit.** To acquaint the student with the history of dentistry from ancient times to present, emphasis is placed upon contributions by individuals and groups of individuals leading to the current status of dentistry in the United States. Graded P/NP. F

**IDEP g426 and CU(CPD) 134 Community Dentistry Field Experience 1 credit.** Designed to acquaint students with area health problems and with area health services and agencies. Field experience is gained during dental health and/or career presentations in public schools. To provide a variety of experiences, visits are made, for example, to the chronically ill, aged, or handicapped; to water purification facilities; to Indian groups. S

**IDEP g433 and CU(CPD) 133 Oral Hygiene Technique 1 credit.** Introduction to the instruments and their usage in performing a complete scaling prophylaxis of the teeth. Periodontal charting and instrument sharpening techniques are also performed. Didactic, laboratory, and clinical introduction. S

**IDEP g434 and CU(OPD) 135 Dental Materials Science II 3 credits.** Continuation of ISU DENT g415 and CU(OPD) 115. PREREQ: ISU DENT g415 AND CU(OPD) 115. S

**IDEP g435 and CU(FPR) 132 Occlusion Laboratory 1 credit.** Various exercises simulating clinical diagnostic and treatment procedures are employed to exemplify principles of maxillomandibular relationships. S

**IDEP g444 and CU(CPD) 143 Values and Ethics 1 credit.** Designed to identify and understand one's own ethical decision-making processes and the relationship of religion with values and ethics. Students will discuss the areas of value of care for people as individuals, challenges of personal and professional opportunities, code of ethics of the A. D. A. and dental care delivery systems. Graded P/NP. F

**IDEP g454 and CU(FPR) 131 Occlusion Lecture 1 credit.** Basic principles of maxillomandibular relationships, static and functional, as related to the occlusal surfaces of the teeth. S

**PSYC g499 and CU(PDO) 131 Special Problems 1 credit.** General body growth and development of the normal child. Major theories of psychological growth and maturation of the normal child with common aberrations. Dental management of children in regard to psychological growth and development. D

**IDEP 617 and CU(CPD) 416 Extramural Dental Education Program 2 credits.** Community clinical experience at the ISU dental clinic. Under direct supervision, dental students observe and participate in total patient care and office management while serving Idaho residents who would not normally receive dental care. D

# Department of Nursing

Chair and Associate Professor: Clarke  
 Associate Chair and Assistant Professor: Mitchell  
 Associate Professors: Hayward, Hyde, Jacobson, Robinson, Sato  
 Assistant Professors: Arvidson, Branch, Drake, Kaufman, McRoberts, Watkins  
 Instructors: Hewett, Hill  
 Adjunct Faculty: Olsen

The undergraduate nursing program at ISU is a four-year professional program which leads to the degree of Bachelor of Science with a major in nursing. The program is accredited by the National League for Nursing and the Idaho Board of Nursing. The aim of the Department of Nursing is to prepare graduates to function as professional nurses wherever there are people who need nursing services. Students are provided an opportunity to learn and to practice nursing in special learning laboratories and in any setting where people need nursing care. After an initial period of orientation, they are prepared to assume leadership responsibility. Graduates are eligible to write the National Council Licensure Examination for registered nurses (NCLEX-RN). The undergraduate program serves as a foundation for graduate study.

The Master of Science degree is accredited by the National League for Nursing, and is offered with emphasis in family nursing with nursing service administration, family nurse practitioner, clinical nurse specialist, and nursing education as functional roles. (See the Graduate Catalog for admission and degree requirements.)

The courses listed below reflect a curriculum which is responsive to national trends and the health care needs of Idaho citizens. The focus in this curriculum is on multiple dimensions of client care, including the promotion of health as well as the alleviation of illness.

## Admission

Students are admitted to the nursing program at the junior level. Admission to the program is granted only for the fall semester. All materials, including official transcripts of all courses completed at universities other than Idaho State University, and a \$25 non-refundable application

fee, must be submitted to the Department of Nursing Admissions and Advancement Committee by January 15 to insure consideration for fall enrollment. Applicants will be notified of the results of the review process by March 15.

1. The following criteria must be met for an applicant to be eligible for consideration for admission to the baccalaureate nursing program:
  - a. minimum cumulative grade point average of 2.5 at the time of application (end of fall semester prior to application or the most current semester prior to application deadline);
  - b. maintenance of minimum cumulative grade point average of 2.5 from the time of application to fall admission;
  - c. completion of the following prerequisite courses, or equivalents, with a grade of "C" or better and a cumulative grade point average of 2.8 or better for all prerequisite courses (failure to do so will result in loss of admission status): ANTH 100 (or SOC 101 or SOC 112); BIOL 101; BIOS 221, 223, g301, and g302; CHEM 107 (or CHEM 121); CHEM 108; FCS 200 (or FCS 302 or PSYC 225); FCS 239; HCA 110; NURS 220, 260, 261, 300, and 330; PSYC 101. Admission is competitive based on GPA in these courses. Idaho residents are given one additional point on the admission scale, as are members of the federally recognized minority groups. One additional point is given to students who were on the alternate admission list the previous year.
2. An alternate admission list is established when there are more eligible students than there are available positions. Alternate status is recognized only for the year of the application. Should the student not be admitted, s/he must reapply for the next year in order to be reviewed for admission with the new group of applicants. If positions become available to accommodate additional eligible students, those on the alternate list will be notified.
3. All students reapplying to the nursing program must meet the prevailing admission criteria in order to be eligible for readmission. Reapplication does not guarantee readmission. Reapplicants will be subject to the same scrutiny and consideration as an initial applicant.

## Progression

In order for students to progress in the Baccalaureate Nursing Program the following criteria must be met:

1. Minimum of "C" or better in all nursing and required courses of the nursing major. Should a student receive a grade of "D" or "F" in any two nursing or required courses of the nursing major, the student will be dropped from the Nursing Program whether or not these courses have been repeated for higher grades. The student may reapply for admission and would have to compete with other students who may apply at the same time.
2. Should a student receive a grade of "D" or "F" in any three nursing courses (either three different or repeated courses) or required corequisite courses of the nursing major, the student will not be eligible for readmission.
3. A nursing student who is suspended from a clinical practicum for unsafe practice will not be eligible for readmission to the program, unless evidence is submitted that the unsafe behaviors have been corrected.
4. Students will not be allowed to progress to the next level in the nursing program if all required concurrent courses are not completed with a grade of "C" or better.

Students whose cumulative GPA falls below 2.0 ("C") will be unable to continue in the nursing sequence until the cumulative average is 2.0 or better.

Students who have a grade less than "C" in a nursing course or required course outside the Department of Nursing and who request to continue, must have their records reviewed by the Admissions and Advancement Committee. The committee will make a recommendation to the Chairperson regarding the student's progression. The student must submit the request in writing on a Department of Nursing petition and in such cases, the student may be called to appear before the committee.

A student who is in academic jeopardy (below a "C" grade in nursing course or below 2.0 GPA) at mid-semester will be notified in writing by the Department of Nursing. Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct as defined by the American Nurses Association code, departmental policy on safe practice in the clinical setting, and academic honesty.

## Graduation

Each senior student must contact the graduation clerk in the fall preceding graduation. The student's academic record will be formally reviewed for completeness of specified course work and university requirements. The Department of Nursing formally reviews the transcripts of senior students for completeness of departmental requirements. Failure to maintain a cumulative grade point average of 2.0 will result in non-conference of the degree and the inability of the person to apply for NCLEX-RN and licensure.

## Expenses

Students in the Department of Nursing will incur certain expenses, such as the cost of clinical apparel and lab fees, in addition to the student expenses listed by the university. Clinical learning experiences are held in a variety of agencies, so transportation expenses may be incurred.

## Financial Assistance

In addition to the financial aid available to all university students, special awards and funds may be available to qualified nursing students. For information about financial assistance, contact the Financial Aid and Scholarship Office.

## Graduate Program

The Department of Nursing offers a graduate program leading to the degree of Master of Science with a major in nursing. See the Graduate Catalog for information. For further information write to the Department of Nursing, ISU Box 8101, Pocatello, Idaho 83209, or phone (208) 236-2720.

# Bachelor of Science in Nursing

## University General Requirements (Specific Goal Courses Required)

ANTH 100	General Anthropology	3 cr
	OR	
SOC 101	Introduction to Sociology	3 cr
	OR	
SOC 102	Social Problems	3 cr
BIOL 202	General Zoology*	3 cr
COMM 101	Principles of Speech	2 cr

ECON 100	Economic Issues	3 cr
	OR	
ECON 201	Principles of macro economics	3 cr
	OR	
ECON 202	Principles of Micro-economics	3 cr
ENGL 101	English Composition	3 cr
ENGL 201	Critical Reading and Writing	3 cr
MATH 253	Introduction to Statistics	3 cr
PSYC 101	Intro to General Psychology	13 cr
	Complete two of Goals 6, 7 or 8	
	Complete one of Goals 9, 10A, or 10B	

*\*BIOL 202 does not by itself complete Goal 4.*

*See University General Education Requirements for goals not met by major requirements. CHEM 101 is waived if student receives a score of 3 or higher on the Advanced Placement Chemistry test in high school or if student challenges CHEM 101 and passes with a grade of "C" or better.*

## Courses Required for Major in Nursing

HCA 110	Introduction to the Allied Health Professions	2 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS g301	Anatomy and Physiology	4 cr
BIOS g302	Anatomy and Physiology	4 cr
BIOS 305	Introduction to Pathobiology	3 cr
BIOS 306	Laboratory Exercises in Pathobiology (optional)	1 cr
CHEM 107*	Essentials of Chemistry I*	5 cr
	OR	
CHEM 121	General Chemistry I	5 cr
CHEM 108	Essentials of Chemistry II	5 cr
	OR	
CHEM 122	General Chemistry II	5 cr
FCS 200	Human Growth and Development	2 cr
	OR	
FCS 302	Child Development	3 cr
	OR	
PSYC 225	Child Psychology	3 cr
FCS 239	Nutrition	3 cr
PHAR 316	Essentials of Pharmacology	3 cr
PHAR 317	Drug Therapy	2 cr
PHIL 230	Contemporary Moral Issues	3 cr

*\*Waived if student received a score of 3 or higher on the Advanced Placement Chemistry Test.*

## Required Nursing Courses

NURS 220	Introduction to Professional Nursing (for generic students only)	2 cr
NURS 260	Basic Clinical Nursing Theory	1 cr
NURS 261	Basic Nursing Practicum (3 contact hours lab)	1 cr
NURS 300	Principles of Health Promotion	3 cr
NURS 301	Health Care Assessment (2 credits theory and 3 contact hours lab)	3 cr
NURS 312	Mental Health Nursing Concepts	4 cr
NURS 313	Mental Health Nursing	

	Practicum (6 contact hours lab)	2 cr
NURS 330	Nursing Research	3 cr
NURS 348	Medical-Surgical Nursing I	2 cr
NURS 351	Medical-Surgical Nursing Practicum I (9 contact hours lab)	3 cr
NURS 352	Nursing Care of Children	2 cr
NURS 368	Medical-Surgical Nursing II	3 cr
NURS 371	Medical-Surgical Nursing Practicum II (12 contact hours lab)	4 cr
NURS 372	Nursing Care of Older Adults	2 cr
NURS 408	Families in the Community	2 cr
NURS 409	Families in the Community Practicum (9 contact hours)	3 cr
NURS 412	Childbearing Families	2 cr
NURS 413	Childbearing Families Practicum	2 cr
NURS 440	Nursing Leadership	3 cr
NURS 441	Nursing Leadership Practicum (15 contact hours)	5 cr

## Professional Nursing Courses

**NURS 220 Introduction to Professional Nursing 2 credits.** Social forces affecting professional nursing are analyzed in the context of their impact on health care. Concepts of health promotion and adaptation of clients of all ages are presented. F, Su

**NURS 260 Basic Clinical Nursing Theory 1 credit.** Introduces basic skills associated with client care in long-term and community settings. Theoretical foundations are presented through discussion, simulation, and the nursing process. COREQ: NURS 220, 261. F, Su

**NURS 261 Basic Nursing Practicum 1 credit lab (3 contact hours).** Application and practice of basic skills associated with health care. COREQ: NURS 220, 260. F, Su

**NURS 300 Principles of Health Promotion 3 credits.** Emphasis on teaching/learning of wellness and health promotion to clients of all ages. S, Su

**NURS 301 Health Care Assessment 3 credits (2 credits theory; 3 contact hours lab).** Physical exams of bio-psycho-social, cultural, and spiritual domains for clients of all ages. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 348, 351, 352; BIOS 305; PHAR 316. F

**NURS 305 Physical Assessment Practicum 1 credit.** Presents in-depth physical assessment skills to licensed nurses for admission to baccalaureate nursing program. PREREQ: LPN OR RN STATUS, PERMISSION OF DEPARTMENT. D

**NURS 312 Mental Health Nursing Concepts 3 credits.** Holistic theoretical perspective of mental health nursing of clients of all ages. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 313, 368, 371, 372; PHAR 317. S

**NURS 313 Mental Health Nursing Practicum 2 credits (6 contact hours lab).** Clinical application of the nursing process utilizing mental health concepts. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 368, 371, 372; PHAR 317. S

**NURS 330 Nursing Research 3 credits.** Nursing research will be critiqued by students utilizing basic concepts research methodology. PREREQ: PERMISSION OF DEPARTMENT. S

**NURS 348 Medical-Surgical Nursing I 2 credits.** Theory and process focusing on care of clients with alterations in health status, wellness, and/or restoration of health. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 351, 352; BIOS 305; PHAR 316. F

**NURS 351 Medical-Surgical Nursing Practicum I 3 credits (9 contact hours).** Focus on the course of disease and/or on the restoration of health. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 348, 352; BIOS 305; PHAR 316. F

**NURS 352 Nursing Care of Children 2 credits.** Focus on acute or chronically ill children and their families to achieve maximum potential for daily living. PREREQ: ADMISSION TO NURSING MAJOR. COREQ: NURS 301, 348, 351; BIOS 305; PHAR 316. F

**NURS 368 Medical-Surgical Nursing II 3 credits.** Theory and process focusing on complex alterations in health status and wellness. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 371, 372; PHAR 317. S

**NURS 371 Medical-Surgical Nursing Practicum II 4 credits (12 contact hours).** Application of the nursing process to clients in acute care and community settings. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 368, 372; PHAR 317. S

**NURS 372 Nursing Care of Older Adults 2 credits.** Use of geriatric nursing principles to help older adults. PREREQ: FIRST SEMESTER JUNIOR COURSES. COREQ: NURS 312, 313, 368, 371; PHAR 317. S

**NURS 405 Socialization into Professional Nursing 1 credit.** Limited to registered nurses. Linkage course that introduces the philosophy and conceptual framework of the Department of Nursing. Nursing theories are introduced for the guiding of nursing care. D

**NURS 408 Families in the Community 2 credits.** Use the nursing process to promote health maintenance/disease prevention for clients/families in the community. PREREQ: ALL JUNIOR NURSING COURSES. COREQ: NURS 409, 412, 413; PHIL 230. F, S

**NURS 409 Families in the Community Practicum 3 credits.** Application of the nursing process with clients/families in the community, focusing on health maintenance/disease prevention. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, 412, 413; PHIL 230. F, S

**NURS 412 Childbearing Families 2 credits.** Use the nursing process with clients, focusing

on health maintenance and disease prevention through the childbearing stage. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, 409, 413; PHIL 230. F, S

**NURS 413 Childbearing Families Practicum 2 credits (6 contact hours).** Application of the nursing process focusing on health maintenance and disease prevention through the childbearing stage. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 408, NURS 409, NURS 412, PHIL 230. F, S

**NURS g417 Interdisciplinary Evaluation Team 1 credit.** Introduction to principles, techniques of interdisciplinary evaluation. Disciplines emphasized: Audiology, Nursing, Physical Therapy, Psychology, Social Work, Special Education, Speech-Language Pathology. Cross-listed: PSYC g417, SOWK g417, SPA g417. PREREQ: PERMISSION OF INSTRUCTOR. S

**NURS 440 Nursing Leadership 3 credits.** Contemporary approaches to organizing care for groups of clients in acute care or community settings. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 441, PHIL 230. F, S, Su

**NURS 441 Nursing Leadership Practicum 5 credits (15 contact hours).** Provides nursing care for groups of clients. Facilitates transition from student to professional nurse role. PREREQ: ALL JUNIOR COURSES. COREQ: NURS 440, PHIL 230. F, S, Su

**NURS 482 Trends in Nursing Care 1-3 credits.** Designed to enable nurses and other health care workers to study specific problems and trends; update knowledge and skills; evaluate and explore approaches to the solution of problems or trends. May be repeated to a total of 6 credits. D

**NURS g483 Total Health Assessment 4 credits (1 credit lab).** Theory and practice in the evaluation of clients to differentiate normal from abnormal manifestations of health. PREREQ: PERMISSION OF DEPARTMENT. D

**NURS 491 Independent Study in Nursing Credit variable to 3.** Independent study in a specific area of nursing of special interest. PREREQ: PERMISSION OF DEPARTMENT. F, S

**NURS g493 Seminar 3 credits.** Reading, discussion, and preparation of reports on selected topics. May be repeated up to 6 credits. PREREQ: PERMISSION OF INSTRUCTOR. D

# Department of Physical Therapy

Chair and Professor: Urfer

Professor: Dunkle

Assistant Professors: Alexander, Donovan, LaPier, Sirotnak

Instructor: Creelman

Academic Outreach Adjunct Faculty: Akers

The Department of Physical Therapy offers a graduate level program for students wanting to enter the profession of physical therapy. The program is fully accredited by the Commission on Accreditation of Physical Therapy Education.

## Pre-Physical Therapy Preparation

Preparation should consist of a strong background in natural and social sciences. Any undergraduate major is acceptable.

A 3.00 overall GPA for all prerequisite coursework and a 3.0 GPA in each science area is required for consideration for admission to the program. Applicants must additionally meet all requirements for admission to the Graduate School. In addition to specific course prerequisites, applicants will have to provide evidence of having worked in a physical therapy setting as an aide or volunteer. Idaho State University courses which meet the specific course prerequisites are:

### \*BIOLOGY (4 courses)

**1. Introductory biology/zoology with laboratory** (or more recently completed biology/zoology course at upper division or graduate level with laboratory). One semester.

**2&3. Anatomy and physiology with laboratory** (vertebrate or human). 2 semesters or 2-3 quarters)

*NOTE: human anatomy and physiology courses MUST be listed in Biology or Zoology Departments for fulfillment of this requirement.*

**4. Additional 3-unit (or more)** Upper division or graduate biology course (Lab only course not acceptable). Upper division or graduate level only.

*Note: All biology prerequisites including advanced biology **MUST** be listed in Biology or Zoology Departments. The following are examples of upper division courses that may meet this requirement:*

*histology  
advanced anatomy  
cell biology  
advanced physiology  
embryology and development  
biochemistry  
microbiology  
biophysics*

**\*CHEMISTRY (2 courses)**

**1&2.** Introductory chemistry for science majors **with** laboratory (sequence of two semesters or 2-3 quarters). More recent upper division or graduate courses in organic, bio, and physiological chemistry may be considered in meeting this requirement.

**\*PHYSICS (2 courses)**

**1&2.** Introductory physics for science majors with laboratory (sequence of two semesters or 2-3 quarters). More recent upper division or graduate courses may be considered in meeting this requirement.

**\*MATH (2 courses)**

1. College algebra, trigonometry, calculus or course work above this level.
2. Statistics (lower, upper division or more recent graduate course).

**\*One course cannot count for two areas; e.g., biochemistry cannot count for both upper division biology and chemistry.**

**SOCIAL/PSYCHOLOGY/HEALTH SCIENCE/ANTHROPOLOGY (2 different courses; min 3 units each.)**

1. Introductory psychology
2. One other course from any of the above areas (content area relevant to health care, rural societies, cultural diversity, aging, health care administration, abnormal psychology, or epidemiology, etc.)

*Note: Marriage/Family, religion, or history courses will not meet this requirement.*

**COMPUTER COMPETENCE**

Must be competent in working with computers; word processing, database, and spreadsheet management prior to entry into the program.

Undergraduate students preparing for physical therapy should choose a major which is of interest to them and which will assist in completion of prerequisite course work. Baccalaureate students will have advisors in their major department, but should also seek additional health professions advising through the Department of Biological Sciences. Students who have completed a baccalaureate degree and who are completing prerequisites for physical therapy should call the Physical Therapy Department for appropriate advising. For further information on physical therapy entrance requirements and program description, refer to the Graduate Catalog.

## Department of Physician Assistant Studies

Chair and Associate Professor: Stein  
Medical Director: Mills  
Clinical Coordinator: McDermott  
Academic Coordinator: Phelps

Physician Assistants (PAs) are highly skilled health practitioners who work under physician supervision to provide patient care services. PAs are highly sought after by physician and institutional employers in virtually all medical and surgical settings. PAs take complete medical histories; perform physical examinations; order and interpret diagnostic studies, such as laboratory tests and x-rays; and diagnose and treat patients under physician supervision. Physician Assistants improve the accessibility of health care of underserved communities in both urban and rural settings.

The Physician Assistant Program at Idaho State University is a 24 month, full time, professional program which awards the Bachelor of Science degree and PA Certificate. The Physician Assistant Program received a Letter of Review from the Committee on Accreditation of Allied Health Education Programs (CAAHEP) and will undergo an accreditation site visit in December 1996.

### Admission

Formal application for admission to the Physician Assistant Program must be submitted before January 15 of the year in which the student wishes to enter. Applicants must complete all academic prerequisites by the end of the Fall semester prior to the application deadline. Applications for the Physician Assistant Program and information regarding current admission criteria and procedures may be obtained directly from the department. Admission to Idaho State University is a separate procedure and must be completed simultaneously with application to the Physician Assistant Program.

### Academic Prerequisites

The pre-professional phase involves preparatory science courses and general education requirements (see Graduation Requirements section below) for a minimum of 64 credits. Prior health care experience is preferred, but not required, for entrance into the program. Completion of the science prerequisites with a minimum GPA of 3.0 is required.

### Academic Prerequisite Courses

BIOL 202*	General Zoology	3 cr
BIOL 202L*	General Zoology Laboratory	1 cr
BIOS 221*	Introductory Microbiology	3 cr
BIOS 223*	Introductory Microbiology Laboratory	1 cr
BIOS 301*	Anatomy and Physiology	4 cr
BIOS 302*	Anatomy and Physiology	5 cr
CHEM 111*	General Chemistry I	5 cr
CHEM 112*	General Chemistry II	4 cr

\*Prerequisite courses taken 10 or more years ago must be repeated.

The following courses are highly recommended: Any statistics course, Abnormal Psychology I or II (PSYC 301 or 302) and Organic Chemistry I and II (CHEM 301 and 302).

### Graduation Requirements

The general education requirements for graduation are published in the Application for Admission to Idaho State University. It is the responsibility of applicants to review these requirements. Applicants must have completed all general education requirements prior to application to the Program.

### Academic Standards

To enroll in upper division courses with the PAS (Physician Assistant Studies) prefix, students must be accepted for admis-

sion to the Physician Assistant Program. Each student is responsible for completing the required course work in proper sequential order. To be eligible for graduation and progression in the Physician Assistant Program, the student must have a cumulative grade point average of 2.50. Course work for which the student receives a grade of below "C" will not be accepted as fulfilling requirements for the Physician Assistant Program. Deviations from these standards must be approved by the department chairperson.

All students in the program are subject to the academic standards and guidelines of the program which are provided in the *Academic Guidelines and Policies* handbook on the first day of classes.

## Physician Assistant Program Curriculum

The program consists of two phases: the academic, or first year classroom experience which is three semesters in length, and the clinical, or senior year, which consists of three semesters.

### Academic Phase

#### Fall Semester

BIOS 332	Biochemistry	3 cr
BIOS 429	Anatomy, Regional, with Histology	4 cr
BIOS 464	Lectures in Human Physiology	3 cr
BIOS 463	Human Pathophysiology	4 cr
PAS 301	Clinical Assessment I	2 cr
PAS 302	Physician Assistant Role and Ethics	1 cr
PAS 309	Health Promotion and Disease Prevention	2 cr
		TOTAL: 19 cr

#### Spring Semester

BIOS 472	Clinical Physiology	2 cr
PAS 304	Psychosocial Aspects of Medicine	2 cr
PAS 311	Clinical Assessment II	2 cr
PAS 319	Clinical Therapeutics for Physician Assistants	2 cr
PAS 402	Clinical Medicine I	6 cr
PAS 410	Topics in Surgery and Emergency Medicine	3 cr
		TOTAL: 17 cr

#### Summer Semester

PAS 305	Clinical Nutrition	1 cr
PAS 306	Clinical Laboratory Science	2 cr
PAS 307	Interpretation of Electrocardiograms	1 cr
PAS 308	Clinical Skills Laboratory	2 cr
PAS 412	Clinical Medicine II	6 cr
PAS 415	Topics in Pediatrics	2 cr
		TOTAL: 14 cr

## Clinical Phase

The Clinical Year consists of eight required rotations that occur in no specific order through fall, spring and summer semesters, and concludes with a Primary Care Preceptorship in the summer semester.

PAS 420	Internal Medicine Rotation	4 cr
PAS 422	Outpatient Medicine Rotation	4 cr
PAS 424	Surgery Rotation	4 cr
PAS 426	Obstetrics and Gynecology Rotation	4 cr
PAS 428	Pediatrics Rotation	4 cr
PAS 430	Emergency Medicine Rotation	4 cr
PAS 432	Psychiatry Rotation	4 cr
PAS 434	Selected Clinical Rotation	4 cr
PAS 438	Primary Care Preceptorship	12 cr

## Physician Assistant Courses

**PAS 301 Clinical Assessment I 2 credits.** Techniques for performing and recording a complete general physical examination and complete medical history. PREREQ: ADMISSION TO PA PROGRAM. F

**PAS 302 Physician Assistant Role and Ethics 1 credit.** Role socialization course presenting practice roles for physician assistants, history of the profession, and legal and ethical issues regarding PA practice. PREREQ: ADMISSION TO THE PA PROGRAM. F

**PAS 304 Psychosocial Aspects of Medicine 2 credits.** Theory and practice of obtaining psychiatric history; recognition and treatment of major psychological disorders. PREREQ: PAS 301. S

**PAS 305 Clinical Nutrition 1 credit.** Nutritional counseling for commonly encountered diseases in primary care and general patient care. PREREQ: PERMISSION OF INSTRUCTOR. Su

**PAS 306 Clinical Laboratory Science 2 credits.** Performance and interpretation of laboratory procedures commonly performed in primary care such as complete blood count, urinalysis and throat cultures. PREREQ: PAS 402. Su

**PAS 307 Interpretation of Electrocardiograms 1 credit.** Identifying normal and abnormal electrocardiographic findings. Describing abnormal findings and correlating to clinical presentation and disease. PREREQ: ADMISSION TO P.A. PROGRAM. Su

**PAS 308 Clinical Skills Laboratory 2 credits.** Instruction and practice in clinical skills such as how to cast fractures, suture wounds, give injections and perform other procedures required. PREREQ: PAS 402. Su

**PAS 309 Health Promotion and Disease Prevention 2 credits.** Epidemiological concepts in relation to disease prevention and health promotion. Statistical approach to interpretation of the biomedical literature. PREREQ: ADMISSION TO PA PROGRAM. F

**PAS 311 Clinical Assessment II 2 credits.** Techniques for performing and recording a complete physical examination and medical history. PREREQ: PAS 301. S

**PAS 319 Clinical Therapeutics for Physician Assistants 2 credits.** Basis in pharmacokinetics and pharmacotherapeutics for physician assistant clinical practice. PREREQ: PAS 301. S

**FMED 402 Clinical Medicine I 6 credits.** Manifestations, diagnosis, and management of problems in ophthalmology, dermatology, ENT, and immunology. PREREQ: PAS 301. S

**PAS 410 Topics in Surgery and Emergency Medicine 3 credits.** Surgical theory; diagnosis and intervention of surgical emergencies; emergency medicine topics; including prehospital care, trauma, and common ambulatory medicine emergencies. PREREQ: PAS 301. S

**PAS 412 Clinical Medicine II 6 credits.** Manifestations of disease, diagnosis and management of endocrine, renal, neurological, hematology/oncology, rheumatologic and geriatric problems. PREREQ: PAS 402. Su

**PAS 415 Topics in Pediatrics 2 credits.** Overview of clinical pediatrics in primary care, including immunizations, growth and development, congenital, infectious, neoplastic, emergent and surgical problems. PREREQ: PAS 402. Su

**PAS 420 Internal Medicine Rotation 4 credits.** A five week clinical rotation as a member of the health care team in an internal medicine setting. PREREQ: PAS 412. F, S, Su

**PAS 422 Outpatient Medicine Rotation 4 credits.** A five week clinical rotation as a member of a health care team in an ambulatory setting. PREREQ: PAS 412. F, S, Su

**PAS 424 Surgery Rotation 4 credits.** A five week clinical rotation as a member of the health care team in outpatient/inpatient surgical settings. PREREQ: PAS 412. F, S, Su

**PAS 426 Obstetrics and Gynecology Rotation 4 credits.** A five week clinical rotation as a member of the health care team in outpatient and inpatient OB/GYN settings. PREREQ: PAS 412. F, S, Su

**PAS 428 Pediatric Rotation 4 credits.** A five week clinical rotation as a member of the health care team in outpatient and inpatient pediatric settings. PREREQ: PAS 412. F, S, Su

**PAS 430 Emergency Medicine Rotation 4 credits.** A five week clinical rotation as a member of the health care team in an ambulatory, emergency setting. PREREQ: PAS 412. F, S, Su

**PAS 432 Psychiatry Rotation 4 credits.** A five week clinical rotation as a member of the health care team with a psychiatric patient population. PREREQ: PAS 412. F, S, Su

**PAS 434 Selected Clinical Rotation 4 credits.** A five week clinical rotation in a selected clinical topic, chosen by the student, with PA faculty approval required. PREREQ: PAS 412. F, S, Su

**PAS 438 Primary Care Preceptorship 12 credits.** A seven week capstone course in which the student performs much as a graduate PA. PREREQ: PAS 420, 422, 424, 426, 428, 430, 432, 434. Su

**PAS 491 Independent Problems in PA Studies 4 credits.** Students will select an area of special interest to pursue through independent study. May be repeated up to 8 credits. PREREQ: PERMISSION OF PROGRAM DIRECTOR. D

# Department of Radiographic Science

Chair and Associate Professor: Francis  
Associate Professors: Moore, Watkins  
Clinical Affiliate Faculty: Austin,  
Brower, Cameron, Eng, Kriener,  
Madden, Merrell, Miller, Sherman,  
Spraker, Trost, Wells  
Adjunct Faculty: Pond-Bell

## Bachelor of Science in Radiography

The Bachelor of Science degree program in Radiography is a four-year curriculum. During the first two years the student takes general education, basic science, and business courses at the university. During the two professional years the student studies and practices the clinical application of radiography at the university's energized laboratory and at affiliated hospitals. The graduate is eligible to write the national examination for registration (ARRT).

The radiographic science program is designed to develop the technical skills and knowledge necessary for the student to satisfactorily function in the role of a radiographer. Learning experiences enable the student to demonstrate competency in the technical aspect of the profession as well as the human relations aspect. The program further seeks to develop the students' interests in the professional societies as well as the possibilities for continuing education.

The student, upon completion of the program, will be able to work as a radiographer in a hospital, clinic, or private office and effectively perform his/her duties with patients in a responsible, ethical, and professional manner. Because of the rapid growth of the medical field, there is an ever-increasing need for well-trained radiographers.

### Courses Which Fulfill Both Major Requirements and General Education Goals

#### Goal 3

MATH 253 Introduction to Statistics 3 cr

#### Goal 4

BIOL 202\* General Zoology 3 cr

PHYS 100 Essentials of Physics 4 cr

\*BIOL 202 does not by itself complete Goal 4.

#### Goal 5

PHYS 100 Essentials of Physics 4 cr

### Other Required Courses in Liberal Arts

BIOS 307 Radiobiology 3 cr

BIOS g301 Anatomy and Physiology 4 cr

BIOS g302 Anatomy and Physiology 4 cr

BIOS g470 Cross-Sectional Anatomy 1 cr

CHEM 101 Essentials of Chemistry 5 cr

OR

CHEM 111 General Chemistry I 5 cr

PHYS 300 Medical Electronics 2 cr

PHYS 321 Radiologic Physics 2 cr

TOTAL: 21 cr

### Business Core Requirements

ACCT 201 Principles of Accounting 3 cr

CIS 120 Introduction to Computer Systems 3 cr

HCA g484 Human Resource Management in Health Care Organizations 3 cr

OR

MGT g373 Personnel Management 3 cr

TOTAL: 9 cr

### Allied Health Core Requirements

HCA 110 Introduction to Allied Health Professions 2 cr

HCA 210 Medical Terminology and Communication 2 cr

HCA 350 Organizational Behavior in Health Care 3 cr

OR

MGT g312 Individual and Organizational Behavior 3 cr

HCA g375 Public Health Law 3 cr

TOTAL: 10 cr

### Radiographic Science Core Requirements

R S 105 Introduction to Radiographic Science 1 cr

R S 310 Radiographic Methods I 2 cr

R S 311 Radiographic Methods II 2 cr

R S 312 Radiographic Methods III 2 cr

R S 320 Radiographic Processing 2 cr

R S 325 Nursing Principles in Radiography 2 cr

R S 330 Radiographic Exposure 2 cr

R S 340 Laboratory Practicum I 1 cr

R S 341 Laboratory Practicum II 1 cr

R S 342 Laboratory Practicum III 1 cr

R S 375 Pediatric Radiography 1 cr

R S 388 Radiation Protection 1 cr

R S 389 Applied Radiography I 4 cr

R S 390 Applied Radiography II 4 cr

R S 410 Educational Methodology for the Health Professional 2 cr

R S 420 Radiologic Facility Organization 1 cr

R S 430 Radiologic Pathology 2 cr

R S 441 Advanced Radiographic Methods I 1 cr

R S 450 Alternate Imaging Modalities and Radiation Therapy 1 cr

R S 460 Introduction to Radiographic Quality Assurance 2 cr

R S 470 Advanced Radiographic Exposure 2 cr

R S 488 Clinical Internship in Radiography 2 cr

R S 489 Applied Radiography I 6 cr

R S 490 Applied Radiography II 6 cr

TOTAL: 53 cr

## Associate of Science in Radiography

The Associate of Science degree program is a three-year curriculum which consists of one pre-professional year, followed by two years in the program. The student studies and practices the clinical applications of radiography at the university's energized laboratory and at affiliated hospitals. The graduate is eligible to write the national examination for registration (ARRT).

### Graduation Requirements

Allied Health Requirements 4 cr

Business Requirement 3 cr

General Education Requirements 8 cr

Math and Science Requirements 22-24 cr

Professional Requirements 50 cr

TOTAL: 87-89 cr

### Allied Health Requirements

HCA 110 Introduction to Allied Health Professions 2 cr

HCA 210 Medical Terminology and Communication 2 cr

## Business Requirement

CIS 120	Introduction to Computer Systems	3 cr
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## General Education Requirements

ENGL 101	English Composition	3 cr
COMM 101	Principles of Speech	2 cr
Goal 12		3 cr

## Math and Science Requirements

BIOL 202	General Zoology	3 cr
BIOS g301	Anatomy and Physiology	4 cr
BIOS g302	Anatomy and Physiology	4 cr
BIOS 307	Radiobiology	3 cr
BIOS g470	Cross-Sectional Anatomy	1 cr
MATH 143	College Algebra	4 cr
PHYS 100	Essentials of Physics	4 cr
PHYS 321	Radiologic Physics	2 cr

## Professional Requirements

Same as for B. S. degree 50 cr (except R S 410 Educational Methodology for the Health Professional, 2 cr.; and RS 420 Radiologic Facility Organization, 1 cr., not required)

## Admission

Admission to the Radiographic Science Program is competitive. Students will be evaluated using grades in pre-professional/prerequisite courses, and overall grade point average. A minimum grade point average of 2.25 is required. Procedures for admission to the radiographic science program include:

1. Complete procedures for admission to the university.
2. Complete and return a radiographic science application form.
3. Complete the necessary prerequisite course work.
4. Submit three (3) original and recent letters of reference.
5. Submit transcripts of all college and/or university courses completed.

The above admission procedures must be completed and submitted to the Department of Radiographic Science prior to February 15, of the year the student is seeking admission. The first professional year begins during the summer session.

## Academic Standards

A grade of "C" or better is required in all radiographic science, biology, physics, math, business, chemistry, and health care administration courses in the curriculum.

A student who fails to achieve a minimum of a "C" grade in a course designated Radiographic Science (RS) will be dismissed from the program and prohibited from taking any further courses with the RS designation until the course(s) in question has/have been completed with (a) minimum grade(s) of "C."

The student is required to reapply to the program, in writing, at least one (1) month prior to the first day of classes of the semester in which readmission is sought.

Additional details regarding readmission can be found on pages 1 and 71 of the 1990 Radiographic Science Student Handbook.

## ISU Radiographic Science Program Policy for Transfer of Credit from Hospital-Based and Vocational-Technical Radiography Programs

The Idaho State University Radiographic Science Program will award up to 44 credits in radiography for programs completed at accredited hospital-based and/or accredited vocational-technical schools. To be eligible to receive credit, the student must:

1. be a currently registered radiographer (RTR).
2. have worked as a radiographer during the past three years (amount of time to remain proficient to be determined by evaluating committee).
3. submit evidence of experience and curriculum including:
  - a. certificate of successful completion of registry.
  - b. certified list of courses and descriptions of curriculum from accredited hospital-based and/or accredited vocational technical programs.
  - c. copies of all college transcripts.
  - d. certification of completion of continuing education courses. Proficiency examinations or regular enrollment will be required of students when evidence of proficiency is lacking or inadequate.

## Radiographic Science Courses

**R S 105 Introduction to Radiographic Science 1 credit.** History of the profession,

responsibilities of the technologist, professional development, radiation protection, areas of specialization. F, Su

**R S 310 Radiographic Methods I 2 credits.** Introduces the student to basic theory and principles of radiographic procedures of the abdomen and the chest. Emphasis is placed on radiographic examinations of visceral organs requiring the use of contrast media. Su

**R S 311 Radiographic Methods II 2 credits.** Continuation of 310 emphasizing theory and principles of radiographic examination of the extremities, shoulder girdle, and the pelvic girdle. F

**R S 312 Radiographic Methods III 2 credits.** Continuation of 311 emphasizing theory and principles of radiographic examinations of the vertebral column, cranium, and the facial bones. S

**R S 320 Radiographic Processing 2 credits.** Photographic technique including developing methodology and the chemical effects on radiographic film. Su

**R S 325 Nursing Principles in Radiography 2 credits.** Introduction to nursing principles and procedures utilized in radiography including vital signs, body mechanics, catheterization, sterile procedures, drug administration, isolation techniques and medical emergency procedures. F

**R S 330 Radiographic Exposure 3 credits.** Determination of radiographic exposure values with emphasis on radiographic quality and equipment used in the production of radiographs. F

**R S 340 Laboratory Practicum I 1 credit.** Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. Su

**R S 341 Laboratory Practicum II 1 credit.** Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. COREQ: R S 311, 389. F

**R S 342 Laboratory Practicum III 1 credit.** Designed to develop pre-clinical competency in routine hospital procedures and radiographic tasks, basic x-ray interpretation, patient management, communications, and manipulation of x-ray equipment. COREQ: R S 312, 390. S

**R S 375 Pediatric Radiography 1 credit.** Study of the theory and clinical application of pediatric radiography. S

**R S 388 Radiation Protection 1 credit.** Topics include: x-ray interaction with matter, quantities and units of radiation, biological effects of ionizing radiation, MPD, radiation detection instruments, methods to minimize radiation exposure to patients and personnel, and U.S. Government radiation control standards. S

**R S 389 Applied Radiography I 4 credits.** Clinical application of radiographic examinations of the abdomen and chest with special

emphasis on examinations requiring contrast media. F

**R S 390 Applied Radiography II 4 credits.** Continuation of R S 389 with emphasis on radiographic examinations of the upper and lower extremities. S

**R S 410 Educational Methodology for the Health Professional 2 credits.** Educational methods employed in the allied health professions. Emphasis on objectives, course design, lesson planning, testing, teaching skills. Essentials of accreditation, continuing education requirements, new innovations in allied health education reviewed. S

**R S 420 Radiologic Facility Organization 1 credit.** Organization and operation of a radiology department. Emphasis on management, design, record systems, equipment, personnel and budgets. S

**R S 430 Radiologic Pathology 2 credits.** Study of the pathological processes of various diseases and disorders with emphasis on the demonstration of pathology on radiographs. F

**R S 441 Advanced Radiographic Methods I 1 credit.** Advanced methodology, theory and principles of radiographic procedures. Designed to develop proficiency in performance of specialized radiographic examinations. PREREQ: R S 312, 342. F

**R S 450 Alternate Imaging Modalities and Radiation Therapy 1 credit.** An introduction to nuclear medicine, computerized axial tomography, ultrasonography, and radiation therapy. F

**R S 460 Introduction to Radiographic Quality Assurance 2 credits.** Study and application of equipment maintenance procedures to assure consistency in the contrast, density, and sharpness of radiographic films. F

**R S 470 Advanced Radiographic Exposure 2 credits.** In-depth study in establishing radiographic exposure values in new installations or when equipment is changed. F

**R S 481 Independent Problems in Radiography 1-2 credits.** Study of topics in radiography selected by students and faculty. May be repeated to a maximum of 4 credits. D

**R S 488 Clinical Internship in Radiography 2 credits.** Students actively participate in all phases of general radiography in an approved radiology department. PREREQ: R S 390. Graded S/U. Su

**R S 489 Applied Radiography I 6 credits.** Clinical application of radiographic examinations of the vertebral column, and portable radiography. F

**R S 490 Applied Radiography II 6 credits.** Designed to develop advanced radiography proficiency in performance of specialized radiographic examinations and advanced cranial radiography. S

**R S 491 Seminar-Selected Topics 1-3 credits.** Group studies of topics not covered in regular offerings. May be repeated under different titles for a maximum of six credits. PREREQ: PERMISSION OF INSTRUCTOR. D

**R S 495 Internship in Special Diagnostic Imaging 2 credits.** Eight week internship providing opportunity to participate in diagnostic examinations requiring a special modality, e.g. peripheral or cardiac angiography, computerized tomography, ultrasound, magnetic resonance. PREREQ: PERMISSION OF INSTRUCTOR. D

## Department of Speech Pathology and Audiology

Chair and Professor: Sorensen

Professors: Bain, Longhurst, Schow,

Smedley

Associate Professors: Kangas, Mercaldo, Weston

Assistant Professors: Griffing, Pimentel

Clinical Instructors: Batté, Boysen,

Brockett, Kline, Loftin, Malepeai,

Medley, Coe Smith, Towsley, Willer

Adjunct Faculty: Jenkins, Moses,

Warren, Wesen

Affiliate Faculty: Bitton, Clough,

Duggan, Goodwin, Kerr, Maloff,

McGee, Mill, Millbrandt, Olenick,

Ross, Thomas, Whitaker, Wyckoff

The areas of speech-language pathology and audiology are concerned with basic communicative behavior. Included in these areas are studies of the systems underlying the normal communicative process (speech science, hearing science, phonetics, acoustics and anatomy and physiology); development of speech, hearing, and language functions; deviations from the normal communicative process (speech-language pathology and audiology); and assessment and management of deviation. The Department of Speech Pathology and Audiology offers a four-year program leading to the degree of Bachelor of Science in speech-language pathology and audiology. The Department also offers undergraduate coursework to fulfill the requirements for an elementary or secondary education component in the teacher education programs of the College of Education. A Master of Science degree is offered in Speech-Language Pathology, Audiology, or Education of the Hearing Impaired (EHI). (See the Graduate School section for admission and degree requirements.)

The combined bachelors' and masters' programs are designed to prepare students to meet the academic and clinical requirements for the Idaho Department of Education Certificate for Speech-Language Pathologist or Audiologist, state licensing for Audiology, and the Certificate of Clinical Competence as issued by the American Speech-Language-Hearing Association (ASHA). In addition, all the academic requirements of the Council on the Education of the Deaf (CED) are available. The speech-language pathology and audiology programs are both accredited by the Education Standards Board (ESB) of the American Speech-Language-Hearing Association. The education of the hearing impaired graduate curriculum meets the requirements for training in EHI in the State of Idaho and through reciprocal agreement with most states. Undergraduate students who are interested in this area of study should contact the College of Education for further information about the EHI undergraduate component/minor.

The ISU Speech and Hearing Center, under the auspices of the department, serves children and adults with a variety of communication problems and/or disorders. Students work in supervised programs providing for a broad spectrum of speech and hearing disorders. Upper division and graduate students gain experience in evaluation, treatment, staffing, and counseling related to communicative disorders.

Opportunities for obtaining clinical experience in speech-language pathology and audiology are provided in the ISU Speech and Hearing Center, public schools, state institutions, hospitals, private practice, and other service facilities. Under supervision by clinical faculty, students can accumulate the necessary clinical hours required for state and ASHA certification. Clinical experience in diagnosis, habilitation, and rehabilitation is available in such areas as phonology, language, stuttering, voice, and speech-language problems associated with cerebral palsy, cleft palate, brain damage and mental retardation. Experience with people with hearing impairment is available in areas such as hearing loss identification, pure-tone testing, audiological assessment, hearing aid evaluation, auditory training, speech reading, and speech conservation and therapy for those with congenital or acquired hearing loss.

### Services

Assessment and rehabilitation services as listed above are available at the Speech and Hearing Center for children and adults

who have speech, language, and/or hearing problems. Special consideration is made for university students requesting and/or needing assistance. Services are provided by the clinical faculty and experienced students.

The Communication Preschool provides language management and readiness programs for preschool children with language delays. This preschool emphasizes the importance of differential diagnosis, parent training, staffing of cases, educational adjustment, and comprehensive habilitation programs to facilitate school placement.

### Affiliate Programs

Public and private education programs, local and state public health units, institutions such as the Idaho and Utah Schools for the Deaf and the Blind, and vocational rehabilitation agencies participate in affiliate service and training.

### Junior-Transfer Programs

The program is set up to facilitate fall Junior-Transfer students so they may complete the program within two years at Idaho State University. It takes January junior-transfer students two and one-half years to complete a bachelor's degree.

### Admission to Junior-level Classes

Prospective students are expected to have a cumulative GPA of 3.00 after completing forty (40) semester credits before registering for SPA 321 and SPA 330. Prospective Juniors with GPA's from 2.5 to 3.0 may petition the department chair to enroll in SPA 321 and SPA 330 through a letter and supporting documentation.

### Employment Opportunities

Master's level graduates in speech-language pathology, audiology and EHI will find professional employment opportunities in community and private medical facilities, public school speech and hearing programs, public health and related governmental agencies, industry, and research. Academic teaching situations are available especially for those who wish to pursue the Ph.D. degree. Employment opportunities are excellent.

## Academic Standards

Each student is responsible for completing the required coursework in proper sequential order. Required prerequisite courses must be completed before the student can enroll in upper division departmental courses. Transfer students may submit petitions to the department for equivalent recognition of these requirements. Deviations from the course sequence must be approved by the department chair. A student must maintain a GPA of 2.25 and must obtain a letter grade of C or better in departmental courses counted toward fulfilling graduation requirements. A grade of D in any departmental course will not be counted toward satisfaction of requirements in the major. Courses may be repeated to improve grades.

## Clinic Standards

Students within the department enroll in practicum activities as senior clinicians. Specified departmental requirements must be met before a student becomes a senior clinician. Once criteria have been met for senior clinicians, a student will enroll for clinical practicum the Spring Semester of their senior year. A clinic grade of C may precipitate a clinic progress contract to alleviate deficiencies. Health and fitness are essential because of the nature of the speech-language pathology and audiology profession. Health problems or disabilities will be evaluated in terms of students' ability to practice speech and hearing therapy effectively.

# Bachelor of Science in Speech Pathology and Audiology

The following courses are required in addition to the general university requirements.

## Required Departmental Courses

SPA 205	Introduction to Communication Disorders	3 cr
SPA 300	Speech Science	4 cr
SPA g315	Clinical Processes: Management	3 cr
SPA g321	Clinical Phonology	4 cr

SPA g325	Phonologic Disorders	3 cr
SPA g327	Sign Language I	2 cr
SPA g330	Language Development	3 cr
SPA g335	Language Disorders	3 cr
SPA g340	Audiology I: Hearing Science and Audiometry	3 cr
SPA g345	Audiology II: Aural Rehabilitation	3 cr
SPA g400	Organic Speech Disorders	4 cr
SPA g405	Neurological Bases of Communication Disorders	3 cr
SPA 415	Clinical Practicum	4 cr
SPA g417	Multidisciplinary Evaluation Team	1 cr
SPA g420	Clinical Processes: Assessment	3 cr
SPA g460	Audiology III: Educational Audiology	3 cr

## Other Required Courses

ANTH 107	Nature of Language	3 cr
BIOL 202	General Zoology	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOS 301	Anatomy and Physiology	4 cr
BIOS 302	Anatomy and Physiology	4 cr
ENGL 307	Professional Writing	3 cr
HCA 110	Introduction to the Allied Health Professions	2 cr
MATH 253	Introduction to Statistics	3 cr
PSYC 101	Intro to General Psychology I	3 cr
PSYC 102	Intro to General Psychology II	3 cr
PSYC 225	Child Psychology	3 cr
	OR	
PSYC 332	Psychology of Adolescence	3 cr
PSYC 445	Psychology of Learning	3 cr
SOC 248	Local and National Minorities	3 cr

## Speech Pathology and Audiology Courses

**SPA 205 Introduction to Communication Disorders 3 credits.** Survey of speech, hearing, and language disorders, including study of the development of speech. Observations, films and assigned readings serve as illustrations of the various communication problems. S

**SPA g300 Speech Science 4 credits.** Introduction to the anatomy and physiology of speech production. Topics include respiratory dynamics, laryngeal functions, articulatory dynamics, and the neurophysiology of speech. PREREQ: BIOS 301, 302 OR PERMISSION OF INSTRUCTOR. F

**SPA g301 Developmental Psycho-linguistics and Reading 3 credits.** Oral language development in young children and its relationship to early reading. Classroom language problems of older elementary and secondary students and language intervention to improve reading and writing discussed. S, Su

**SPA g315 Clinical Processes: Management 3 credits.** Various therapeutic methods used in managing communication disorders. PREREQ: SPA g321, SPA g330, PSYCH 445 OR PERMISSION OF INSTRUCTOR. S

**SPA g321 Clinical Phonology 4 credits.** Basic concepts in applied phonetics and phonology, including speech acoustics. F

**SPA g321L 0 credits.** Required laboratory portion of SPA g320. F

**SPA g325 Phonologic Disorders 3 credits.** Background information leading toward the understanding of phonologic disorders. Information and clinical techniques on diagnosis and remediation of phonologic disorders. Helps prepare student for first clinical experiences. PREREQ: SPA g321 OR PERMISSION OF INSTRUCTOR. S

**SPA g326 Deaf Studies 1 credit.** Introduction to deafness; the culture and community of deaf individuals; language and communication issues; education and employment considerations in deafness. F, S

**SPA 327 Sign Language I 2 credits.** Beginning study of the various methods of communication used by severely hearing impaired children, with attention to SEE systems. F, S

**SPA 328 Sign Language II 2 credits.** Intermediate study of the various methods of communication used by severely hearing impaired children, with special attention to SEE systems. PREREQ: SPA 327 OR PERMISSION OF INSTRUCTOR. F, S

**SPA 329 Sign Language III: Applied Sign- ing 2 credits.** Advanced application of sign language skills in education, health care, and law. Beginning spontaneous production- interpreting and analysis of sign language systems. PREREQ: SPA 328 AND PERMISSION OF INSTRUCTOR. F, S

**SPA g330 Language Development 3 credits.** Analysis of the development of systems of communication: phonologic, morphologic, syntactic, semantic, pragmatic, and relevant non-verbal and cognitive development in normal children. Review of current theories and research. PREREQ: ANTH 107 OR PERMISSION OF INSTRUCTOR. F

**SPA g335 Language Disorders 3 credits.** Study of children who are deviant language users. Intervention principles, including content and procedures of programming as they relate to language disorders. PREREQ: SPA g330 OR PERMISSION OF INSTRUCTOR. S

**SPA g341 Audiology I: Hearing Science and Audiometry 3 credits.** Introduction to basic hearing science, sound measurement, audiometry, tympanometry, hearing disorders, public school screening, and methods of aural rehabilitation. Review of role of audiology in human services. F

**SPA g345 Audiology II: Aural Rehabilitation 3 credits.** Aural rehabilitation of the hearing impaired. Consideration of amplification, speech reading, auditory training, and other aspects of the process. PREREQ: SPA g341 OR PERMISSION OF INSTRUCTOR. S

**SPA g400 Organic Speech Disorders 4 credits.** Comprehensive review of organic speech disorders. Focus is on neurological disorders, voice, cleft palate and stuttering. Emphasis will be given to assessment and management of these disorders. PREREQ: SPA 300 OR PERMISSION OF INSTRUCTOR. S

**SPA g405 Neurological Bases of Communication Disorders 3 credits.** Fundamentals of neuroanatomy and physiology related to speech, language and hearing. Introduction to communication disorders related to neurological damage. PREREQ: SPA 300 OR PERMISSION OF INSTRUCTOR. S

**SPA 415 Clinical Practicum 1-4 credits.** Supervised experience in the diagnosing, staffing, programming, and counseling of cases with speech and language disorders. May be repeated up to 6 credits. PREREQ: SPA g315, g325, g335 AND PERMISSION OF CLINIC DIRECTOR. F, S

**SPA g417 Interdisciplinary Evaluation Team 1 credit.** Introduction to principles, techniques of interdisciplinary evaluation. Disciplines emphasized: Audiology, Nursing, Physical Therapy, Psychology, Social Work, Special Education, Speech-Language Pathology. Cross-listed: NURS g417, PSYC g417, SOWK g417. PREREQ: PERMISSION OF INSTRUCTOR. S

**SPA g420 Clinical Processes: Assessment 3 credits.** Diagnostic principles, procedures, tests and clinical examination in the evaluation of speech, language and hearing disorders. Cov-

ers norms, reliability and validity. PREREQ: PSYCH 445, SPA 315, AND STATISTICS, OR PERMISSION OF INSTRUCTOR. F

**SPA g440 Special Topics Workshop 1-3 credits.** Presentation of professionally related topics in workshop format. Meets for a minimum of 16 contact hours per credit with appropriate outside assignments, readings, or papers. May be repeated for up to 6 credits. Graded S/U. D

**SPA g457 Teaching Speech to the Hearing Impaired 3 credits.** Designed to give students theoretical and practical knowledge in the evaluation and habilitation of speech problems in hearing impaired children and adolescents. PREREQ: SPA g301 OR PERMISSION OF INSTRUCTOR. F

**SPA g458 Teaching Language to the Hearing Impaired 3 credits.** Students gain theoretical and practical knowledge in the evaluation and habilitation of language/communication problems in children and adolescents with severe hearing impairments. PREREQ: SPA g301 OR PERMISSION OF INSTRUCTOR. F

**SPA g459 Teaching Academic Subjects to the Hearing Impaired 3 credits.** Students gain theoretical and practical knowledge of how to teach academic subjects to children and adolescents with severe hearing impairments. PREREQ: PERMISSION OF INSTRUCTOR. F

**SPA g460 Audiology III: Educational Audiology 3 credits.** Management of the permanently hard-of-hearing child and adolescent in the regular classroom; evaluation and staffing; speech and language intervention; mainstreaming considerations; curriculum modifications; and personal/social consideration. PREREQ: SPA g345. F

**SPA g482 Independent Study 1-4 credits.** Study of problems selected by students and faculty. May be repeated up to 8 credits. D

**SPA g491 Seminar 1-4 credits.** Reading, preparation, and discussion of reports and projects in all areas of speech and hearing science, speech pathology and audiology. May be repeated up to 12 credits. D