The College of Health Sciences is the place for students interested in improving and maintaining the physical and social health of others. We offer challenging degree programs in the “helping professions” and serve as the gateway to schools of medicine, dentistry, physical and occupational therapy, physician's assistant study, and optometry.

Health sciences students receive not only a superior education from knowledgeable and caring faculty but also precise and personal guidance from conscientious advising personnel. Students benefit, too, from practicums and internships that help them refine and test the skills acquired in lectures and labs as well as opportunities to participate in dynamic, interdisciplinary research projects.

The college is also the home of the Wyoming Institute for Disabilities (WIND); the Center for Rural Health Research & Education (CRHRE); the Geriatric Education Center (WYGEC); two Family Medicine Residency Centers; the Wyoming, Washington, Alaska, Montana, and Idaho (WWAMI) medical education contract program, and WYDENT, the dental education program, and WICHE in the first part of this bulletin (refer to the section on WICHE in the first part of this bulletin for program description or go to www.uwyo.edu/wichewwamiwydent).

Any student seeking admission to programs in the College of Health Sciences will be required to obtain a background check as specified by college policy. Please contact your school for specific information.

The College of Health Sciences retains the right to deny or revoke admission to any of its programs for academic, disciplinary, ethical, or professionals standards reasons.

Programs of Study

Undergraduate Degrees

Bachelor of Science

Kinesiology and health promotion
Physical education teaching
Speech, language and hearing sciences

Bachelor of Science in Dental Hygiene
Bachelor of Science in Nursing
Bachelor of Social Work

Graduate Degrees

Master of Science
Nursing
Kinesiology and health
Speech-language pathology

Master of Social Work

Professional Degree

Doctor of Pharmacy

Minors in Health Sciences

Minors in the College of Health Sciences are designed to complement a student’s major and augment educational and employment opportunities. They are designed to increase the student’s knowledge of health care, issues within health care, and provide them with a greater understanding of what it means to work in any aspect of health care.

Minors in Health Sciences include:

Health Sciences

This minor is designed for the student who wants to have a career in health care but not necessarily as a provider. Instead s/he may be interested in being an administrator of a hospital or nursing home, a career in public health, or even as a health care practitioner who wants a more complete view of health care.

The minor consists of 18 hours of coursework in a variety of topics that will provide breadth in a student’s background. For further information, please contact the Undergraduate and Preprofessional Advising Office at (307)766-6704 or (307)766-3499, rooms 110 and 112 of the Health Sciences building or e-mail preprof.hs@uwyo.edu or check out our web site: www.uwyo.edu/hs/minor.

Disability Studies

The Disability Studies minor is an interdisciplinary approach to examining the interplay between the lived experience of disability and the social construct of disability. The minor will provide a balance between theory and practical hands-on application. Students will gain a broad understanding of disability issues for working with people with disabilities rather than specific disciplinary skills and techniques. The minor consists of 18 credit hours. See www.uwyo.edu/wind/training/studies.asp.

Aging and Human Development

Please contact the Undergraduate and Preprofessional Advising Office at (307)766-6704 or (307)766-3499, rooms 110 and 112 of the Health Sciences Center or e-mail preprof.hs@uwyo.edu.

Undergraduate and Preprofessional Advising Office

Health Sciences Center, 110 & 112

The Undergraduate and Preprofessional Advising Office (UPAO) in the College of Health Sciences provides preprofessional advising to all UW students regardless of their academic majors, who are interested in pursuing future study in medicine, dentistry, optometry, occupational therapy, physical therapy, physician’s assistant, or other health care careers such as chiropractic. A bachelor’s degree is usually required for admission to a professional school. The University of Wyoming does not offer degrees in preprofessional areas. Students may pursue any UW degree program in which they have an interest and at the same time complete the admission requirements for the professional schools they wish to attend. The Undergraduate and Preprofessional Advising Office advises students for their professional program prerequisites as well as other aspects of becoming solid candidates. Each student will also have an adviser in his/her major for advising in the major.

Current information about admission requirements, entrance examinations, professional school curriculums, interviewing skills, and test preparation is available. Suggested course work and timelines are available for medicine, dentistry, optometry, physical therapy, occupational therapy, and physician assistant study. Current admissions data and addresses for specific schools are available. Specific schools may have additional requirements; students are urged to check with the schools they wish to attend.

Information and residency applications for the WICHE programs, the WWAMI medical education program, and WYDENT, the dental education program, may be found online at www.uwyo.edu/wichewwamiwydent.
Health Sciences (HLSC)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M2(QB)].

1010. Exploring the Health Sciences. 2. [(none)I, L] Introduce philosophy of higher education, academic expectations of Health Sciences, and value system of health-related disciplines, especially issues related to cultural awareness and interprofessional collaboration. Students are expected to develop critical thinking, communication, and information literacy skills and to use skills to better understand issues related to healthcare disciplines.


1090. SPARX: Topics in Interdisciplinary Health Care. 1 (Max. 3). Each semester a different topic or disease state is highlighted. Using film, lectures, and selected readings, students are introduced to interdisciplinary collaboration between health care and mental health professionals. Benefits to patient care and barriers in making interdisciplinary connections are addressed. Prerequisites: none.

3250. Health and Illness in American Religious Life. 3. A cross-cultural study of the connections between religion and health. Students learn to appreciate and analyze the role different religions play in understanding health and illness, as well as the role religions can play in the context of modern medicine. Prerequisite: junior standing or permission of instructor.

4020. SPARX: Advanced Topics in Interdisciplinary Health Care. 1 (Max 3). Interdisciplinary collaboration for improved health outcomes is the focus of this class. Students develop a deeper understanding of the benefits and difficulties that exist for interdisciplinary teams. Prerequisites: At least two upper-division courses in CHS, may be taken concurrently.

4030. Experiences in Community Health Service. 0. Students will be advised and guided by faculty in the College of Health Sciences in providing health related community services. Activities will vary and include but are not limited to participation in health screenings, providing programs at senior housing, working with the Wyoming Geriatric Education Center, participating in CHAP activities, etc. Prerequisite: Upper division status (junior or senior) or current enrollment in a professional program in the College of Health Sciences and permission of instructor.

4040. Service Learning in Healthcare Training. 1. Provides an opportunity for students to discuss, reflect upon and learn from their community-based experiences. Students also consider the broader implications of becoming a reflective practitioner, working within a healthcare team and the benefits of interprofessional collaboration. Prerequisites: involvement in CHAP, upper division standing.

4100. Global Public Health. 3. [(none)G]. Introduces students to the global context of public health, to principles underlying global health, and to dimensions of public health particular to international settings. It examines major themes and policies in global health and analyzes health problems and varying responses to them in different parts of the world. Dual listed with HLSC 5100; cross listed with INST 4100. Prerequisite: upper division student status.

4310. Foundations of Scholarship and Discovery. 1 (Max. 3). An interdisciplinary discussion based exploration of the nature and creation of knowledge, principles underpinning creativity, inquiry, skepticism, ethical analysis, the insecurity of discovery on the frontiers of knowledge, and ethical decision-making. Examines the path from novice to expert thinker and creativity at discipline boundaries. Cross listed with WMST 4310. Prerequisites: completion of USP WB requirement and junior standing.

4520. Public Health Issues in Developing Countries. 2. [(none)G] Fundamental principles and practices of public health systems in developing countries will be presented including epidemiology, etiology, integrated management, will be presented within the context of globalization, climate change, and socio-economic, political and cultural constraints. Principles will be illustrated by case studies of major health issues in an interdisciplinary, holistic manner. Cross listed with MOLB 4520. Prerequisite: HLSC 1010, upper division or graduate standing and consent of instructor.

4530. Global Experience in Public Health. 2. A three week inter-semester service learning experience in a developing country. Students will participate, in collaboration with in-country healthcare professionals, in a defined public health education and research program designed to address major public health challenges. Students will gain a global perspective within the cultural context of the developing nation. Cross listed with MOLB 4530. Prerequisites: HLSC/MOLB 4520 and consent of instructor.

4700. Health Care Informatics. 3. Provides an overview of the technological resources, databases, standardized languages and applications of information systems in the provision of health care. Emphasis is placed on application to evidence-based practice in rural settings. Prerequisites: basic computer literacy and consent of instructor.

4970. Interdisciplinary Seminar in Health Sciences. 3. [W3(none)] An interdisciplinary seminar designed to explore research, skills, roles and preparation of all health care professionals to gain a better understanding of the unique contribution each makes to interdisciplinary practice. Prerequisites: completion of 24 hours in College of Health Sciences; senior standing. (Normally offered spring semester)

4985. Health Sciences Internship. 1-6 (Max. 6). Gives students an opportunity to gain practical experience in a health care field of their choice. The intense relationship with a mentor allows the student to become socialized into a health care field, gain practice skills, and relate to other health care professionals in an interdisciplinary way. For S/U Only. Prerequisite: completion of all other degree requirements. (Offered fall, spring and summer)

4990. Current Topics in the Health Sciences. 1-6 (Max. 12). Provides upper division/graduate students with the opportunity for critical analysis and in-depth examination of various current topics in health science fields. Prerequisites: twelve hours in College of Health Sciences coursework, or in field related to the topic, or admission to a professional program within the College of Health Sciences. Individual topics courses may require specific course(s) as prerequisite. Contact the instructor for specific information. Dual listed with HLSC 5990.
Dental Hygiene

The University of Wyoming and Sheridan College offer a cooperative program of dental hygiene education which, when completed, results in two degrees. An Associate of Applied Science degree in dental hygiene is awarded by Sheridan College following completion of the prerequisites and dental hygiene prescribed study. A Bachelor of Science in Dental Hygiene degree is awarded by the University of Wyoming following completion of the Associate of Applied Science in dental hygiene, the University Studies Program, and other requirements of the University of Wyoming, for a total of 128 credit hours including 48 upper level hours, 30 of which must be from the University of Wyoming.

The American Dental Association has awarded full accreditation to the Associate of Applied Science degree in dental hygiene at Sheridan College. Graduates are eligible to take the National Board of Dental Hygiene exam, as well as regional and state exams for licensure, as registered dental hygienists.

Applicants should visit www.sheridan.edu/programs/dental for specific prerequisites and application materials. Applications are due to Sheridan College by February 15 of the year and application materials. Applications are due to Sheridan College by February 15 of the year they wish to enter the program. Class sizes are limited. Admission is contingent upon successful completion of a background check.

The primary objective of the program is to assure that graduates have knowledge and abilities necessary to successfully practice dental hygiene.

All prerequisite coursework must be completed with a cumulative grade point of 2.75 (on a 4 point scale). Science courses must be current within five years at the time of application to Dental Hygiene professional program. Completion of the prerequisite courses does not guarantee admission to the professional program.

### Curriculum

**Prerequisites (Pre-dental hygiene)**

| Course | Hrs.
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<tbody>
<tr>
<td>ENGL 1010 or equivalent</td>
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<tr>
<td>ENGL 2020</td>
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<tr>
<td>KIN/ZOO 2040*, 2041@ or</td>
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<tr>
<td>KIN/ZOO 3115*</td>
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<td>CHEM 1000 or 1020</td>
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<td>MATH 1400</td>
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<td>COJO 1010</td>
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<td>PSYC 1000</td>
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<tr>
<td>ANTH 1200 or SOC 1000</td>
<td>3</td>
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<tr>
<td>FCSC 1140 or 1141*</td>
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* Must be taken within 5 years of the time of application to the Dental Hygiene Program

Students interested in the bachelor’s degree in dental hygiene should contact the Undergraduate and Preprofessional Advising Office in the Health Sciences Center, rooms 110 and 112, or phone (307)766-6704 or (307)766-3499. E-mail: denthygiene@uwyo.edu; www.uwyo.edu/hs/dentalhygiene.

Students admitted to the dental hygiene program fall 2005 and beyond will need to complete ENGL 4010, Technical Writing in the Professions, for their WC.

### Dental Hygiene (DHYG)

**USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24*QB]).**

#### 3230. Clinical Seminar II. 2.
Adjunct to clinical dental hygiene courses devoted to resolution of problems arising from direct patient care in the clinic. Includes medically compromised patients; introduces and prepares for more advanced clinical techniques. **Prerequisite:** DHYG 2420. (Normally offered fall semester)

Prepares dental hygiene students to make transitions from an educational setting to private practice. Covers range of subjects enabling students to meet challenges associated with variety of patient care issues, including meeting needs of the elderly. Discusses various dental specialty practices. **Prerequisites:** DHYG 3230, 3300 and 3350 or concurrent enrollment. (Normally offered spring semester)

#### 3300. Clinical Dental Hygiene II. 5.
Students gain further practical experience in dental hygiene procedures by providing comprehensive patient care in the Sheridan College and Veterans’ Administration Medical Center clinics. A flexible, self-paced format allows students to meet requirements in procedures for patient record-keeping, patient education, dental prophylaxis, dental radiography and other routine clinical procedures. **Prerequisite:** DHYG 2350. (Normally offered fall semester)

#### 3350. Clinical Dental Hygiene III. 5.
Allows students to garner practical experience in clinical procedures requiring greater skill and more knowledge than procedures previously undertaken. Students successfully completing this course are fully prepared for transition to office practice. **Prerequisite:** DHYG 3300. (Normally offered spring semester)

#### 3400. General and Oral Pathology. 3.
Designed to teach students concepts underlying general and oral manifestations of human disease states, manifestations of specific diseases, relationships to body defense mechanisms, and potential implications of medical and dental hygiene treatment. To the extent possible, applications to clinical situations in dental hygiene practice are made. **Prerequisite:** one year predental hygiene (including general pathology); MOLB 2021 or equivalent. (Normally offered fall semester)

#### 3550. Community Dental Health. 3.
Introduces basic skills needed to assess, plan and implement strategies to evaluate the dental health of the community, including research methodology and basic statistical analysis. Provides students with basic understanding of significant social, political, psychological and economical factors influencing the American Health Care System. **Prerequisite:** DHYG 3100. (Normally offered spring semester)

**3600. Ethics and Law in Dental Hygiene. 3.** Core principles in ethics and values as they relate to the professional code of conduct and state jurisprudence. Students explore contemporary issues within a diverse society in understanding and applying a personal value system to issues in the dental hygiene profession. **Prerequisite:** successfully complete all first-year dental hygiene courses.
### Division of Communication Disorders

**265 Health Sciences, 766-6427**  
**FAX:** (307) 766-6829;  
**Web site:** www.uwyo.edu/comdis  
**Director:** Teresa Ukrainetz

**Professors:**  
MARY HARDIN-JONES, B.A. Texas Tech University 1978; M.S. 1979; Ph.D. University of Iowa 1984; Director, Division of Communication Disorders 2001; Professor of Speech-Language Pathology 2005, 2001.  
TERESA A. UKRAINETZ, B.A. University of Calgary 1984; M.S. University of British Columbia 1987; Ph.D. University of Texas at Austin 1995; Professor of Speech-Language Pathology 2007, 1995.

**Associate Professors:**  
MICHAEL A. PRIMUS, B.A. University of Minnesota 1969; M.S. Colorado State University 1975; Ph.D. University of Washington 1984; Associate Professor of Audiology 1984.  
DOUGLAS B. PETERSEN, B.A. Utah State University 1999; M.Ed. 2002; Ph.D. 2010; Assistant Professor of Speech-Language Pathology 2010.  
ROGER W. STEEVE, B.A. San Diego State University 1990; M.A. 1993; Ph.D University of Washington 2004; Assistant Professor of Speech-Language Pathology 2005.

**Academic Professionals:**  
LUCY C. CARTER, B.S. University of Wyoming 1993; AAS-Interpreter, Front Range Community College 1995; Assistant Lecturer 2005.  

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**CATHERINE L. ROSS,** B.S.W. Missouri State University 1973; M.S. University of Wyoming 1999; Assistant Lecturer 2008.  

**Adjunct Clinical Instructors:**  
Anna Anderson, M.S., CCC-SLP  
Cynthia Anderson, M.S., CCC-SLP  
Rosanne DeMattia-Pash, M.S., CCC-SLP  
Sharon Downes, M.S., CCC-SLP  
Leah Horst, M.S., CCC-SLP  
Sara Howatt, M.S., CCC-SLP  
Jennifer Keeler, M.S., CCC-SLP  
Michelle Kirkbride, M.S., CCC-SLP  
Karyn Longstreet, M.S., CCC-SLP  
E.J. McDonald, M.S., CCC-SLP  
Tempe Murph, M.S., CCC-SLP  
Kent Satake, M.S., CCC-SLP

**Professors Emeriti:**  
Janis A. Jelinek  
Douglas W. Laws

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**The speech-language pathology and audiology areas are concerned with communicative behavior. Included in these areas are the studies of systems underlying the normal communicative process (phonetics, acoustics, neurology, anatomy and physiology); development of speech, hearing and language functions; deviations from the normal communicative process; and diagnosis and management of speech, language and hearing disorders.**

The Division of Communication Disorders offers a bachelor’s (B.S.) degree in speech, language and hearing science. The bachelor’s degree is considered preprofessional preparation for entrance into a graduate program in either speech-language pathology or audiology. A graduate degree is needed to work in most employment settings. The division offers a Master of Science degree in speech-language pathology. The combined undergraduate and graduate programs are designed to prepare students to meet the academic and clinical requirements for Wyoming licensure and the Certificate of Clinical Competence awarded by the American Speech-Language Hearing Association.

The graduate program in speech-language pathology is accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association (ASHA). See the division web site for additional information.
Any student seeking admission to the graduate program in Speech-Language Pathology within the Division of Communication Disorders will be required to obtain a background check as specified by college policy.

**Undergraduate Learning Outcomes**

Upon completion of the B.S. program in Speech, Language, and Hearing Sciences, students will meet the following goals and objectives.

Students in this program acquire the fundamental knowledge of speech, language, and hearing science to prepare them for graduate study in speech-language pathology and audiology. Students are introduced to communication disorders and intervention, but the majority of clinical education is accomplished in the graduate program. The undergraduate goals and objectives are based on the accreditation standards of our graduate program in speech-language pathology.

Students must achieve a grade of C or better in all courses in the major. Program quality and overall student learning is monitored through examination of student performance in the following areas:

A. Principles of biological sciences, physical sciences, mathematics, and the social/behavioral sciences
   1. Successfully complete at least one course in each of the biological, physical, social, and mathematical science.

B. Biological bases of human communication
   1. Describe anatomy and physiology of the speech mechanism, including respiration, phonation, articulation, and resonance
   2. Describe anatomy and physiology of the hearing mechanism
   3. Describe anatomy and physiology of the swallowing mechanism

C. Neurological bases of human communication
   1. Describe major components of the central and peripheral nervous system.
   2. Describe the auditory pathways and processes in the central nervous system.
   3. Describe the language pathways and processes in the central nervous system
   4. Describe the speech pathways and processes in the central nervous system

D. Acoustic bases of human communication
   1. Describe acoustic properties of vowels and consonants
   2. Describe transmission of sound waves through air

E. Psychological, linguistic, and developmental bases of human communication
   1. Describe cognitive development and its relationship to language
   2. Demonstrate knowledge of phonological development
   3. Identify phonological processes
   4. Transcribe speech using the International Phonetic Alphabet
   5. Describe the development of morphosyntax
   6. Explain the major features of multiple language acquisition
   7. Perform a language sample analysis across the major constituents of language

F. Nature and remediation of hearing disorders
   1. Differentiate among common auditory disorders.
   2. Describe the communication problems associated with hearing impairment and deafness.
   3. Demonstrate knowledge of basic hearing screening procedures.
   4. Identify current amplification techniques and assistive devices for hearing loss.

G. Processes used in research
   1. Critically evaluate research literature methodology.
   2. Explain experimental and descriptive research methods.

**Suggested Course Sequence**

**FRESHMAN YEAR: Fall**

- USP CA Course .................................. 3
- ENGL 1010 ...................................... 3
- SPPA 1010 ...................................... 3
- PSYC 1000 ...................................... 3
- LIFE 1010 ....................................... 4

**Total Hrs. 16**

**FRESHMAN YEAR: Spring**

- USP CH Course .................................. 3
- MATH 1400 ....................................... 3
- PHYS 1050 ...................................... 4
- POLS 1000 ...................................... 3
- Elective .......................................... 3

**Total Hrs. 16**

**SOPHOMORE YEAR: Fall**

- KIN 2040 ........................................ 3
- KIN 2041 ........................................ 1
- SPPA 3210 ...................................... 3
- SPPA 2110 ...................................... 4
- USP D Course ................................... 3
- PEAC 1001 ...................................... 1

**Total Hrs. 15**

**SOPHOMORE YEAR: Spring**

- FCSC 2121 ...................................... 4
- SPPA 2120 ...................................... 4
- USP G Course ................................... 3
- USP WB Course .................................. 3
- Elective .......................................... 3

**Total Hrs. 17**

**JUNIOR YEAR: Fall**

- SPPA 3265 ...................................... 3
- USP QB Statistics Course ...................... 3
- USP O Course ................................... 3
- Elective .......................................... 3

**Total Hrs. 16**

**JUNIOR YEAR: Spring**

- SPPA 4310 ...................................... 3
- SPPA 4160 ...................................... 3
- Atypical (PSYC 4310, 4320, CNSL 4520) .. 3
- Elective (3000/4000 level) ..................... 3

**Total Hrs. 14**

**SENIOR YEAR: Fall**

- SPPA 4380 ...................................... 3
- Elective (3000/4000 level) ..................... 3
- SPPA 4340 ...................................... 3
- SPPA 4750 ...................................... 3
- Elective .......................................... 3

**Total Hrs. 15**

**SENIOR YEAR: Spring**

- SPPA 4150 ...................................... 3
- SPPA 4240 ...................................... 3
- SPPA 4250 ...................................... 3
- SPPA 4230 ...................................... 3
- Elective (3000/4000 level) ..................... 3

**Total Hrs. 15**

**Total hours in curriculum and required for degree** 124

**Hours required in 3000/4000-level courses** 48

**Note:** a grade of C or better must be earned in all courses in the major; courses in the major must be taken for a letter grade unless offered for S/U only. A minimum of 48 credit hours of upper-division courses are required for graduation.
Speech and Hearing Clinic

Speech and hearing clinical services are available to University of Wyoming students. For information concerning these services, contact the Division of Communication Disorders.

There is one student organization with whom speech-language pathology and audiology majors may choose to affiliate, the National Student Speech-Language and Hearing Association. Objectives are to promote and recognize scholastic achievement and to support clinical and/or research endeavors.

Graduate Study

Admission to the M.S. Degree Program in Speech-Language Pathology

Admission Requirements

Admission to the master’s program in speech-language pathology is made on a competitive basis. Students can apply for the on-campus or distance tracks (see our website for a program description). We accept students to start in the fall of each year. Minimum requirements for full admission to the master’s program in speech-language pathology are the following:

1. Academic Transcripts

Official transcripts from all universities and colleges attended must be submitted. These must show progress toward completion of a bachelor’s degree and coursework in communication disorders. An undergraduate grade point average (GPA) of at least 3.0 (4.0 scale) is required for full admission. Grades for the fall courses and enrollment in the spring courses prior to application should be present on the transcripts. An official transcript showing completion of the bachelor’s degree will be required by the first semester of graduate study.

2. Communication Disorders Coursework

Official transcripts showing undergraduate coursework in communication disorders are required. See the Division website for the recommended and required coursework (Leveling). A course in each of phonetics, speech and language development, and anatomy and physiology of speech and hearing, along with at least one other Leveling course, are required before beginning the graduate program. A file review will be conducted on acceptance into the program to determine other missing courses, which will be completed during the graduate course of study. If a needed course is not on the transcript, such as a planned summer course, applicants should note the this in the Candidacy Statement.

3. GRE Report

Official report of Graduate Record Examination (GRE) Quantitative, Verbal, and Writing scores must be submitted. A cumulative score of at least 900 on the verbal and quantitative sections is required for full admission. The Division requires all applicants to report their GRE score, regardless of whether they already have a graduate degree. Two official reports will be required (university, code 4855; division, code 0620).

4. Recommendation Letters

Three letters of recommendation must be submitted. At least two of the letters should be from previous instructors who are familiar with your academic performance and can address potential for success in graduate school.

5. Candidacy Statement

A candidacy statement must be submitted. It consists of a short essay (maximum 400 words) on the applicant’s qualifications for a graduate degree in speech-language pathology. Statement prompt: Explain why you should be among the select group that is chosen for this educational and career opportunity.

6. On-campus or Distance

Applicants must state which track is desired at the beginning of the candidacy statement: on-campus or distance. Students cannot mix the tracks, but can be considered for either or both. See the website for descriptions of the two tracks.

7. TOEFL

International students from non-English-speaking countries need a TOEFL score of 600 to show English proficiency. Additional sources of evidence may be requested by the division to make a final decision. English proficiency must be sufficient for success in graduate school and certification as a speech-language pathologist in the United States, even if the applicant intends to remain in his or her native country.

Conditional Status

An applicant may be admitted conditionally if he or she does not meet the GPA or GRE requirements for full admission, and the Division determines that there are sufficient areas of strength for success in graduate school in comparison to other applicants. Conditions will be placed on admission such as graduate grade point average, performance criteria, or completion of certain courses. Conditional students are not eligible for graduate assistantships.

Application Procedure

Applications to our master’s program must be made through an electronic, centralized application service: the Communication Sciences and Disorders Centralized Application Service for Clinical Education in Audiology and Speech Language Pathology (CSDCAS). Instructions and application procedures are available at https://portal.csdcas.org.

The deadline for receipt by CSDCAS of a complete application (including official transcripts) is January 15. The CSDCAS verification of completed application materials takes 2-4 weeks. Applicants should request official transcripts early in the fall semester, and specify that the transcripts include the fall course grades and the spring course enrollment. If the GRE is re-taken after submitting the completed application to CSDCAS, applicants should have the later score sent directly to the Division, with an e-mail alert about it.

Applicants will be notified of the division’s decision on acceptance, alternate, or denial by mid-March. Applicants should respond to the offer by April 15. Alternates will be offered positions that become available after April 15.

International students should submit their application materials directly to the University of Wyoming not to CSDCAS (except Canadians, who use CSDCAS). Applicants must have transcripts translated and assessed for equivalency to the American university system to be considered for acceptance. In addition, for International (including Canadian), the university must determine whether financial resources are sufficient for study here.

Requirements Following Offer of Admission

Students who accept an offer of admission to the program must then apply to the university for formal admission. University procedures and forms can be obtained at the Graduate Student Resources webpage. Students will be required to submit one set of official transcripts to the university, two official GRE score reports (university and division, code 0620). In addition, students must pass a criminal background check.
Communication Disorders

Hearing Association.


Academic programs in speech-language pathology are accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association.

Plan A (thesis)

Speech-Language Pathology (53 hour program)
- 33 hours of graduate academic coursework
- 16 hours of graduate clinical practicum (clinical track) or eight hours of additional graduate coursework (research option)
- 4 hours of 5960 thesis research

Plan B (Non-thesis) (50 hour program)

Speech-Language Pathology
- 34 hours of graduate academic coursework
- 16 hours of graduate clinical practicum (clinical track)

Upon completion of the M.S. in Speech-Language Pathology, students will meet the following goals and objectives

A. In academic coursework, students will demonstrate knowledge of:
   1. Basic human communication and swallowing processes, including their biological, neurological, acoustic, psychological, development, linguistic and cultural bases
   2. Etiologies and characteristics of communication and swallowing disorders in the areas of articulation, stuttering, voice and resonance, language, hearing, swallowing, cognition, social aspects, and communication modalities
   3. Principles and methods of prevention, assessment and intervention for people with communication and swallowing disorders

B. In clinical education, students will demonstrate knowledge and skills in:
   1. Planning and execution of evaluation and treatment at an appropriate level of independence
   2. Professional comportment and culturally-sensitive clinical practices
   3. Competent clinical writing

C. At the conclusion of the graduate program, students will demonstrate preparation for entry into clinical practice by:
   1. Successful completion of external clinical practice
   2. Passing the oral comprehensive examination
   3. Passing a national clinical certification examination

Distance Learning Program

The University of Wyoming Division of Communication Disorders offers a distance master’s degree program and leveling coursework in speech-language pathology. The program is open to both resident and nonresident students. Refer to the division Web site for current information and the Outreach School for course registration.

Leveling Coursework

Leveling is completed on a course-by-course basis, not as part of a degree program. Students sign up for leveling courses as non-degree undergraduate (NDU) each semester that they take only undergraduate courses. Any semester in which a student takes a graduate class (numbered 5000 or above), the student must change status to non-degree graduate (NDG). This allows the graduate courses to be applied to the master’s program at a later date. Fees and tuition for all the coursework in that semester are charged at the graduate student rate. Refer to the division Web site for a list of courses.

Continuing Education

Students may take graduate coursework as continuing education without having been admitted to the graduate program. If students are accepted at a later date into the graduate program, they may apply a maximum of 12 graduate credit hours earned as a non-degree student toward their graduate degrees. Coursework submitted must be approved by the division at the time the official program of study is submitted. Coursework may not be older than 6 years from time of master’s graduation.

Course Transfers and Waivers

In accredited programs of speech-language pathology, evaluation involves both course grades and demonstration of specific knowledge and skills. As a result, for any course transferred, waived, or applied from non-degree status, evidence of the knowledge and skills linked to that course will still be required.
Speech-Language Pathology (SPPA)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M2◊QB]).

1000. Orientation to Communication Disorders. 3. [F1◊(none)] Acquaints students with professions of speech-language pathology and audiology. Provides students with opportunity to complete University Studies Orientation requirement.

1010. Introduction to Communication Disorders. 3. [(none)◊1, L] Introduces information regarding basics of speech and hearing. Discusses disorders of speech and hearing by defining the problem, etiology or theories of cause, classifications and controversies, evaluation techniques and therapies to correct the disorder.

2110 [4100]. Beginning Sign Language. 4. Examines basic principles of American Sign Language with nonverbal techniques. Vocabulary of 1500 basic signs should be attained by semester end. Prerequisite: ENGL 1010 or consent of instructor. (Offered fall, spring and summer)

2120 [4120]. Intermediate Sign Language. 4. Emphasizes receptive fluency and understanding of colloquial sign language, as well as learning to translate from English to American Sign Language. Prerequisites: SPPA 2110.

3210 [2210]. Phonetics. 3. Articulatory and acoustic description of speech sound production. Introduction to the International Phonetic Alphabet and development of phonetic transcription skills. Prerequisite: SPPA 1010

3265 [3400]. Anatomy and Physiology of Speech, Swallowing and Hearing. 3. Introduces the student to the anatomy of the normal speech and hearing systems as well as the physiologic underpinnings of the speech (respiration, phonation, articulation), swallowing, and hearing (external, middle, and inner ear) systems. Theories of speech production and speech perception are presented. Prerequisites: KIN 2040.

4000. Workshop in Speech Pathology/Audiology. 1-8 (Max. 8). Varies with interests of student requests. Incorporates material relative to any area of speech and hearing. Prerequisite: consent of instructor. (Offered based on sufficient demand and resources)

4070. Deaf Culture and the History of Deaf America. 4. [C2◊CS, D] Studies deaf culture and deaf history in the United States. Culture topics will include deaf community dynamics, humor, behavior, emotional and social interaction, besides issues involving deaf children as a linguistic minority. History will be discussed from the 1700s to the present in the U.S. Dual listed with SPPA 5070. Prerequisites: SPPA 2110.

4130. Advanced Sign Language. 4. Encompasses translation of English idioms for ASL and learning of ASL idioms, along with drugs, religion and sexuality signs, vocabulary and cultural usage. Prerequisites: SPPA 2120.

4140. Sign Language Practicum. 1-4 (Max 12). Provides hands-on experience for advanced sign language students to improve and retain signing skills. Prerequisites: consent of instructor, SPPA 2110 or 2120. (Offered fall, spring and summer)

4150. Aural Rehabilitation. 3. Examines basis for and characteristics of communication problems created by hearing loss and management procedures to facilitate communication and adjustment to hearing loss. Includes acoustic and visual properties of speech, amplification devices and hearing loss in school children. Dual listed with SPPA 5150. Prerequisite: SPPA 4340.

4160. Speech and Language Development. 4. Focuses on speech and language acquisition processes. Describes speech, prelinguistic and linguistic abilities of typically developing children. Overviews concomitant cognitive development and social contexts and their relationship with speech and language development. Prerequisite: ENGL 4750 or equivalent.

4220. Speech Disorders Across the Lifespan. 3. The nature and causes of developmental and acquired speech disorders across the lifespan are examined. Topics include apraxia and dysarthria in children and adults, voice disorders, stuttering, and articulatory and phonological disorders. Prerequisite: SPPA 3265.

4240. Language Disorders Across the Lifespan. 3. The nature and causes of developmental and acquired language disorders across the lifespan are examined. Topics include the behavioral and linguistic characteristics of specific language impairment, intellectual disability, autism, traumatic brain injury, right hemisphere trauma, aphasia, and dementia. Principles of assessment and remediation are introduced. Prerequisites: SPPA 3265, SPPA 4160.

4250. Clinical Methods. 3. [W3◊(none)] Exploration of principles of assessment and intervention, including completion of 12 hours of clinical observation of speech-language pathology and audiology services; writing of observation reports, goals and objectives, treatment notes, data collection and analysis; introduction to ASHA Code of Ethics, treatment planning, counseling and interviewing techniques. Prerequisites: senior standing or consent of instructor. (Normally offered fall semester)

4310. Hearing Science. 3. Study of 1) the nature of sound, 2) normal hearing processes, and 3) disorders of the auditory system. Topics include characteristics of simple and complex sound, sound travel in the environment, perception and analysis of sound in humans, and causes of hearing loss. Prerequisite: SPPA 3265.

4340. Basic Audiology. 3. An introduction to audiology as a profession, with primary focus on screening and diagnostic methods for the clinical evaluation of hearing loss in children and adults. Prerequisites: SPPA 3265. (Normally offered spring semester)

4380. Neurological Basis of Communication. 3. Studies details of human nervous system, including central and peripheral nervous systems, major motor and sensory pathways and special senses. Emphasizes neurology of various communication disorders. Prerequisites: SPPA 3265.

4500. Early Childhood: Language Development and Disorders. 3. Encompasses development of normal children’s linguistic abilities. Presents concomitant motor, cognitive and social development; instructional procedures to facilitate language development; and effect of various disabilities on development of the communicative system of the child. Course cannot be substituted for SPPA 4160, 4240 or 5160. Prerequisites: minimum of junior standing and consent of instructor.

4750. Research Methods in Communication Disorders. 3. [(none)◊WC] Deals with scientific investigation of normal, disordered, and intervention aspects of speech, language, and hearing. Topics include evaluating and synthesizing published research, research writing, research design, and data analysis techniques. The aims are to develop writing competence within the discipline, to create research-aware clinicians, and to introduce students to research careers. Prerequisite: STAT 2070.
5000. Seminar in Communication Disorders. 1-8 (Max. 8). The participation in and discussion of special problems and/or research related to speech-language, pathology and audiology. Prerequisite: B.S. degree and consent of instructor.

5020. Phonological Assessment and Intervention. 3. Emphasis on normal phonetic and phonologic development, diagnosis and clinical management of articulatory and phonological disorders. Prerequisite: SPPA 3210.

5030. Clinical Practicum. 1-4 (Max. 8). Supervised clinical experience with speech, language, and hearing disordered children and adults under supervision of University of Wyoming Speech and Hearing Clinic faculty. Prerequisite: matriculating graduate students only.

5070. Deaf Culture and the History of Deaf America. 4. Studies deaf culture and history in the United States. Culture topics include deaf community dynamics, humor, behavior, emotional and social interaction, besides issues involving deaf children as a linguistic minority. History is discussed from the 1700s to the present in the U.S. Dual listed with SPPA 4070. Prerequisite: SPPA 2110.


5100. Motor Speech Disorders. 4. Utilizing audio and audio visual aids, this course acquaints student with dysarthric speech symptoms characteristic of various neurologic disorders/diseases. Methods of dysarthric speech evaluation and therapy are considered. Prerequisite: SPPA 4380.

5110. Craniofacial Disorders. 2. Studies communication disorders related to cleft lip and palate disorders and associated craniofacial sequences and syndromes. Assessment and treatment of these communication disorders is presented in the context of interdisciplinary management. Surgical and nonsurgical treatment procedures employed to manage speech problems associated with velopharyngeal insufficiency are included. Prerequisite: SPPA 3265, SPPA 3210.

5115. Interdisciplinary Early Childhood Seminar. 3. Advanced professional course for students interested in current trends and issues in early childhood development. Interdisciplinary in nature, drawing from research in communication disorders, kinesiology and health, elementary and early childhood education and special education, child and family studies, nursing, and psychology. Cross listed with FCSC, EDEC, NURS, PSYC, HLED 5115. Prerequisite: graduate status.

5120. Stuttering. 2. Theories of etiology, symptoms of the problem, diagnosis and treatment of childhood non-fluency and various approaches to therapy for the adult stutterer. Prerequisite: graduate level standing.

5130. Aphasia. 3. Includes neuroanatomical bases of language; characteristics, assessments and intervention with individuals who have aphasia or right hemisphere damage. Prerequisite: SPPA 4380.

5140. Evaluation Procedures in Communication Disorders. 3. Focuses on the processes and procedures related to the evaluation of communication disorders. Topics include interviewing, norm-referenced assessment, criterion-based measurement, dynamic assessment, progress monitoring, and psychometric analysis. Overviews models of disability, such as medical, functional, and sociopolitical models, and how they influence the evaluation process. Prerequisite: acceptance to the University of Wyoming SLP Master’s Program.

5150. Aural Rehabilitation. 3. Examines basis for and characteristics of communication problems created by hearing loss and management procedures to facilitate communication and adjustment to hearing loss. Includes acoustic and visual properties of speech, amplification devices and hearing loss in school children. Dual listed with SPPA 4150. Prerequisite: SPPA 4340.

5200. Internship. 1-12 (Max. 12). An advanced practicum in speech pathology; the student is given increased responsibility in clinic management and practice. Offered summers only. Prerequisite: SPPA 5030.

5210. Augmentative and Alternative Communication. 3. Theories and practices in clinical management of individuals with severe speech impairments or nonspeaking persons. Application of graphics, signs and gestural means of communication; use of aids and devices; development of interactive communication behaviors; development and use of computer-assisted communication strategies; intervention strategies for developmental disabilities and acquired communication disorders. Prerequisite: SPPA 4160.

5220. Voice Disorders. 3. Study of the etiology, assessment, and remediation of voice disorders. Includes a discussion of preventing disorders, maintaining a healthy voice, and normal changes in voice. Presentation of rehabilitation options for laryngectomized speaker. Prerequisite: SPPA 3265.

5230. Dysphagia. 3. Provides information regarding the anatomy and physiology of the adult and pediatric swallowing mechanisms, the diagnosis of dysphagia and feeding disorders using clinical and instrumental approaches, the medical diagnoses for which dysphagia is a common symptom, and methods that are commonly used to treat dysphagia and feeding disorders. Prerequisite: SPPA 3265.

5250. Topics in Functional Speech Disorders. 1-8 (Max. 8). Provides a critical review of contemporary theories and developments related to functional speech disorders. This is a continuing seminar type course dealing with advanced topics in functional speech disorders. Prerequisite: graduate standing.

5260. Topics in Organic Speech Disorders. 1-8 (Max. 8). Provides a critical review of contemporary theories and developments related to organic speech disorders. This is a continuous seminar type course dealing with advanced topics in organic speech disorders. Prerequisite: graduate standing.

5270. Educational Practicum. 1-12 (Max. 12). Under supervision, the student is given increased responsibility for performing speech and language assessments, hearing screenings, and treatment of children in an educational setting. Students will relate to other educational personnel and counsel teachers and families about communication disorders. Prerequisite: completion of at least two semesters (including summer) of approved graduate coursework and clinical practicum (SPPA 5030); and approval of faculty.


5290. Medical Practicum. 1-12 (Max. 12). Under supervision, the student is given increased responsibility for performing speech and language assessments, hearing screenings, and treatment of children and adults in a medical setting. Students relate to other medical and clinical personnel and counsel professionals and families about communication disorders. Prerequisite: Completion of at least two semesters (including summer) of approved graduate coursework and clinical practicum; and approval of faculty.

5330. School-Age Language Intervention. 3. Principles and techniques of language assessment and intervention for school-age children and adolescents with particular attention to service delivery issues in schools. Prerequisite: SPPA 4160.
5380. Professional Practice. 1-2 (Max. 4). Discusses issues related to the professional practice of speech-language pathology or audiology, including ethics, professional standards, public law, and universal precautions. Prerequisite: graduate standing in Communication Disorders and consent of instructor.

5500. Topics in Language. 1-8 (Max. 9). Provides a critical review of recent theories and developments in the area of language disorders. This is a continuing seminar course dealing with various advanced topics in language disorders. Prerequisite: graduate standing.

5750. Research Methods in Speech Pathology and Audiology. 3. Emphasizes the application of scientific methodologies to areas of Speech-Language Pathology and Audiology. Topics to be covered include: introduction to writing research papers; reviewing and critiquing the literature; experimental designs; techniques in data analyses. Prerequisite: STAT 2070 or equivalent; B.S. degree in speech pathology audiology; and acceptance into the graduate program.

5890. Problems in Speech Pathology and Audiology. 1-4 (Max. 4). Prerequisite: graduate standing or consent of instructor.

5900. Practicum in College Teaching. 1-3 (Max. 3). Work in classroom with a major professor. Students are expected to give some lectures and gain classroom experience. Prerequisite: graduate standing.

5920. Continuing Registration: On Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5940. Continuing Registration: Off Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5959. Enrichment Studies. 1-3 (Max. 99). Designed to provide an enrichment experience in a variety of topics. Note: credit in this course may not be included in a graduate program of study for degree purposes.

5960. Thesis Research. 1-12 (Max. 24). Graduate level course designed for students who are involved in research for their thesis project. Also used for students whose coursework is complete and are writing their thesis. Prerequisite: enrollment in a graduate degree program.

5961. Graduate Projects. 1-4. (Max. 4). Limited to those students enrolled in a Plan B graduate program. Students should be involved in non-course scholarly activities in support of their Plan B project. Prerequisite: must be enrolled in Plan B program and have departmental approval.

5990. Internship. 1-12 (Max. 24). Prerequisite: graduate standing.

Division of Kinesiology and Health
Corbett Building, 766-5285
FAX: (307) 766-4098
Web site: www.uwyo.edu/kandh
Director: Mark Byra

Professors:

Associate Professors:
JAYNE M. JENKINS, B.S. Marikato State University 1971; M.S. University of Wyoming 1995; Ph.D. University of North Carolina 1999; Associate Professor of Kinesiology and Health 2005, 1999.
DEREK SMITH, B.S. Colorado State University 1997; M.S. Wake Forest University 1999; Ph.D. University of Colorado 2003; Associate Professor of Kinesiology and Health 2009, 2003.
TRISTAN WALLHEAD, B.S. Loughborough University 1994; M.S. Leeds Metropolitan University 2000; Ph.D. Ohio State University 2004; Associate Professor of Kinesiology and Health 2010, 2004.

Assistant Professors:
MATTHEW W. BUNDLE, B.A. Harvard University 1996; Ph.D. University of Montana 2005; Assistant Professor of Kinesiology and Health 2006.
CHRISTINE M. PORTER, B.S. University of Maryland 1993; M.A. University of London 2002; Ph.D. Cornell University 2010; Assistant Professor of Kinesiology and Health 2010.
R. TUCKER READDY, B.A. University of California, Berkeley 2000; M.A. San Diego State University 2004; Ph.D. Oregon State University 2009; Assistant Professor of Kinesiology and Health 2010.
QIN ZHU, B.S. Shanghai University of Sports 1999; M.Ed. 2002; Ph.D. Indiana University 2008; Assistant Professor of Kinesiology and Health 2008.

Academic Professionals:

Adjunct Faculty:
Lawrence Deal, Williams Lyons, Patricia Moore, Ken Robertson, M.D., Shane Tweetor, J.J. Byers, M.D.

Professors Emeriti:
Paul Dunham
Ward Gates
Charles W. Huff
Donna Marburger
John Woods

The Division of Kinesiology and Health has three principle functions specific to undergraduate education: (1) to prepare students in kinesiology and health promotion for a variety of clinical and non-clinical settings; (2) to prepare students to teach physical and health education in schools K-12; and (3) to deliver the university wide Physical Activity and Your Health program to the University Studies Physical Activity and Health requirement. Students enrolled in these programs must meet academic standards as determined by the Division of Kinesiology and Health, College of Health Sciences, and the University of Wyoming.

For those students who excel academically, an honors program is available which includes an uncommitted block of 12 credit hours. Students may elect to pursue an area of specific interest by scheduling an honors semester within the university or at another cooperating institution.

A graduate program leading to a Master of Science degree in Kinesiology and Health is offered by the Division.
Program Admission

Students who meet University of Wyoming entry requirements are admitted to the university in one of the two undergraduate majors that leads to the Bachelor of Science degree. The Division’s undergraduate majors are open at the freshman level to all graduates of accredited high schools. Advanced placement for students with previous college credit is based on evaluation of transcripts of previous academic work. When students are ready to begin their junior year in the two undergraduate programs offered, they must make application for admission. The entry course for admission to the junior year of the Kinesiology and Health Promotion (K&HP) program is KIN 3021, Physiology of Exercise. The entry course for admission to the Physical Education Teacher Education (PHET) program is KIN 3012, Teaching Lab I. To be eligible, students must have completed all program course prerequisites and have a minimum cumulative grade point average of 2.75. Admission to the three majors is a competitive process and applicants meeting minimum requirements are not guaranteed admission to the major. Application to the K&HP major must be received by the Division of Kinesiology and Health no later than April 15 for fall admission and no later than November 20 for spring admission. Application to the PHET majors is conducted only in the fall. The application deadline is April 15.

University Studies Program

Physical Activity and Health Requirement (P)

Effective with students entering UW in the fall of 1999, all undergraduate students, regardless of age, must successfully complete a course in Physical Activity and Health. The basis of this requirement is to help students gain an understanding of the impact physical activity or inactivity has on their health. Students gain the knowledge, skills, and experience which enable them to make informed decisions about their own health as it relates to their life and longevity. The course PEAC 1001, Physical Activity and Your Health, meets the University Studies Program Physical Activity and Health requirement. (P)

Undergraduate Majors

The requirements to graduate with a Bachelor of Science degree in the majors offered by the Division of Kinesiology and Health are as follows:

I. Kinesiology and Health Promotion Major

A. FRESHMAN-SOPHOMORE YEARS

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LIFE 1010 (SB)</td>
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<tr>
<td>COJO 1010 (O)</td>
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<tr>
<td>CHEM 1000 or 1020</td>
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<tr>
<td>COSC 1200</td>
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<tr>
<td>ENGL 1010 (WA)</td>
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<td>HLED 1006</td>
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<td>HLED 1221 or Red Cross</td>
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<td>MATH 1400, 1405, or 1450 (QA)</td>
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<td>PEAC 1001 (P)</td>
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<td>KIN 1005 (I, L)</td>
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<td>KIN/ZOO 2040 (SB)</td>
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<td>KIN/ZOO 3115</td>
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<tr>
<td>PHYS 1050 or 1110</td>
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</tr>
<tr>
<td>PSYC 1000 (CS)</td>
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<td>STAT 2050 or 2070 (QB)</td>
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<td>USP Cultural Context - Humanities (CH)</td>
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<tr>
<td>USP Cultural Context - Arts (CA)</td>
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<tr>
<td>USP Cultural Diversity (D)</td>
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<tr>
<td>USP Global Awareness (G)</td>
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<tr>
<td>US and Wyoming Constitutions (V)</td>
<td>3</td>
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<tr>
<td>USP Writing II (WB)</td>
<td>3</td>
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</table>

In the spring semester of their sophomore year, students must make application for admission to the final two years of the Kinesiology and Health Promotion (K&HP) program (professional program). This includes a $30.00 application fee, completion of coursework specific to the first two years of the program, a minimum grade point average of 2.75, and completion of a written essay. Admission to the K&HP program is a competitive process and applicants meeting the minimum requirements are not guaranteed admission to the major.

B. JUNIOR-SENIOR YEARS

(professional)

i. Required Courses (16 hours)

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<th>Course</th>
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<td>KIN 3021</td>
<td>4</td>
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<tr>
<td>KIN 3037 or 3038</td>
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<tr>
<td>KIN 3042</td>
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</table>

ii. HLED and KIN Electives (15 hours)

Students must complete 15 credit hours of upper division HLED and/or KIN courses specific to one of three concentrations: (a) Fitness and Wellness; (b) Health Promotion; or (c) Medical and Therapeutic Sciences (pre-professional).

iii. Specialization Areas (15 hours) - 3000 or 4000 level courses

Students must complete 15 credit hours of upper division coursework that complements their selected area of concentration (i.e., Fitness and Wellness; Health Promotion; or Medical and Therapeutic Sciences [pre-professional]).

iv. Internship or Research Experience (6-12 hours)

Students must complete at least six hours of Internship Experience or Research Experience that complements their selected area of concentration (i.e., Fitness and Wellness; Health Promotion; or Medical and Therapeutic Sciences [pre-professional]).

Minimum Total Hours 120

II. Physical Education Teacher Education K-12

A. FRESHMAN-SOPHOMORE YEARS

<table>
<thead>
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<td>ENGL 1010 (WA)</td>
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<td>KIN 2025</td>
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<td>KIN 3115</td>
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<td>PSYC 1000 (CS)</td>
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<td>USP Global Awareness (G)</td>
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i. Required Courses (16 hours)

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<td>KIN 3042</td>
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</table>

ii. HLED and KIN Electives (15 hours)

Students must complete 15 credit hours of upper division HLED and/or KIN courses specific to one of three concentrations: (a) Fitness and Wellness; (b) Health Promotion; or (c) Medical and Therapeutic Sciences (pre-professional).

iii. Specialization Areas (15 hours) - 3000 or 4000 level courses

Students must complete 15 credit hours of upper division coursework that complements their selected area of concentration (i.e., Fitness and Wellness; Health Promotion; or Medical and Therapeutic Sciences [pre-professional]).

iv. Internship or Research Experience (6-12 hours)

Students must complete at least six hours of Internship Experience or Research Experience that complements their selected area of concentration (i.e., Fitness and Wellness; Health Promotion; or Medical and Therapeutic Sciences [pre-professional]).

Minimum Total Hours 120

College of Health Sciences 454
In the spring semester of their sophomore year, students must make application for admission to the final two years of the Physical Education Teacher Education (PHET) program (professional program). This includes a $30.00 application fee, completion of core courses specific to the first two years of the program, a minimum grade point average of 2.75, completion of 60 contact hours with youth in a movement setting, completion of a written essay, and an interview. Admission to the PHET program is a competitive process and applicants meeting the minimum requirements are not guaranteed admission to the major.

**B. JUNIOR-SENIOR YEARS (professional)**

**i. Required Courses (53 hours)**

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<td>KIN 3050</td>
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<tr>
<td>KIN 4012</td>
<td>2</td>
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<td>KIN 4017</td>
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<tr>
<td>KIN 4055</td>
<td>2</td>
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<tr>
<td>KIN 4080 (WC)</td>
<td>3</td>
</tr>
<tr>
<td>KIN 4099</td>
<td>12</td>
</tr>
</tbody>
</table>

**Minimum Total Hours 120**

**III. Additional School Endorsements K-12**

In addition to completing the Bachelor of Science degree in physical education teacher education from the University of Wyoming, students can qualify for K-12 endorsements in adapted physical education and/or health education by completing the following course requirements:

**A. Adapted Physical Education K-12**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>KIN 4065</td>
<td>3</td>
</tr>
<tr>
<td>KIN 4075</td>
<td>3</td>
</tr>
<tr>
<td>EDEX 2484</td>
<td>3</td>
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</tbody>
</table>

**B. School Health Education K-12**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HLED 3010 or 4900</td>
<td>3</td>
</tr>
<tr>
<td>HLED 4025 or SOC 2200</td>
<td>3</td>
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<tr>
<td>HLED 4110</td>
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<tr>
<td>HLED 4130</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2210</td>
<td>3</td>
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</tbody>
</table>

**IV. Affiliated Options**

The Division of Kinesiology and Health offers two options for the general undergraduate population. They require course work above and beyond degree requirements.

**A. Athletic Coaching Permit**

Students who wish to qualify for an athletic coaching permit to coach in Wyoming public schools must complete four courses.

- HLED 1221 or Red Cross CPR First Aid...2
- KIN 3050..................................2
- KIN 2080-2089............................2
- KIN 4090..................................3

**B. School Health Education K-12**

In addition to completing a bachelor’s degree in teaching at the secondary level from an approved university program, 25 credit hours are required to be certified to teach health education K-12 in the public schools of Wyoming. FCSC 1140 or 1141..............2-3

**Minimum of 3 credit hours of coursework**

**1. Program Specific Degree Requirements**

**Master’s Programs**

**Plan A (thesis)**

Minimum of 30 credit hours

Minimum of 18 credit hours of HLED and/or KIN coursework

HLED/KIN 5085

Must choose at least one from this list: STAT 5050, 5060, 5070, or 5080; or EDRE 5600 or 5640

4 credit hours of HLED/KIN 5960 (Thesis Research)

Minimum of 9 credit hours of HLED/KIN coursework in area of specialization

Oral presentations of thesis proposal and defense

**Plan B (non-thesis)**

Minimum of 36 credit hours

Minimum of 18 credit hours of HLED and/or KIN coursework

HLED/KIN 5085

Must choose at least one from this list: STAT 5050, 5060, 5070, or 5080; or EDRE 5600 or 5640

3 credit hours of HLED/KIN 5080

Minimum of 3 credit hours of coursework selected from outside the Division of Kinesiology and Health

Plan B paper (written and oral)

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**Graduate Study**

**Program Specific Admission Requirements**

Admission into the M.S. degree program is open to students who have obtained an undergraduate with a major program of study in exercise and sport science, health, kinesiology, physical education, or other area in the human movement sciences.

Students who do not have a bachelor’s degree in kinesiology, physical education, or health are required to complete four undergraduate courses in kinesiology and/or health (e.g., HLED 3020 Community and Public Health; KIN 3034 Lifespan Motor Development; KIN 2040 Human Anatomy; KIN 3115 Human Systems Physiology; KIN 3037 Sport Psychology; etc.) above and beyond the master’s program of studies.
M.S. in Kinesiology and Health Distance Education

The Division of Kinesiology and Health offers the M.S. degree in kinesiology and health (non-thesis) as a distance education program through the University of Wyoming Outreach School. The program is structured such that students can pursue the M.S. degree on a part time basis off-campus. For more information visit our Web site at www.uwyo.edu/kandh.

Physical Education Activity (PEAC)

Program activity-theory courses for men and women. All activity classes are offered for S/U grade only, with the exception of 2000. Physical education activity courses may not be offered every semester.

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24QB]).

1000. P.E. Activity in ____. 1/2 (Max. 1). Provides instruction in special and/or unique sport, dance or exercise on a temporary basis.

1001. Physical Activity and Your Health. 1. [P1P] Designed to help students gain an understanding of the impact physical activity or inactivity has on their health. Students gain the knowledge, skills, and experience that enable them to make informed decisions about their own health as it relates to their quality of life and longevity. NOTE: All students must enroll in a PEAC 1001 activity as part of the PEAC 1001 experience.

1012. Beginning Swimming. 1/2. Instructs the non-swimmer in skills suggested by the Red Cross.


Varsity Athletics (PEAT) (Men and Women)

The following activities are for enrollment only by members of intercollegiate athletic teams. Participation in these activities will not satisfy the PEAC requirements.

2051. Varsity Golf. 1/2
2054. Varsity Track and Field. 1/2.
2056. Varsity Tennis. 1/2.
2062. Varsity Basketball. 1/2.
2063. Varsity Football. 1/2.
2064. Varsity Volleyball. 1/2.
2065. Varsity Pepsters. 1/2.
2070. Varsity Rodeo. 1/2.
2071. Varsity Soccer. 1/2.

Kinesiology (KIN)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24QB]).

1000 [PEPR 1000]. Movement Core I: Swimming and Gymnastics. 2. Provides students with skills and knowledge necessary to teach basic tumbling, apparatus and swimming skills to public school students.

1004 [PEPR 1004]. Foundations of Physical Education. 3. [(none) I, L] An introductory course designed to acquaint first year or second year students to the academic discipline of physical education with an emphasis on the teaching career. Cross listed with HLED 1004.

1005 [PEPR 1005]. Introduction to Kinesiology and Health Promotion. 2. [(none) I, L] A survey of the discipline of kinesiology and health promotion. Students master knowledge specific to kinesiology and health promotion, develop critical thinking skills, and develop basic competence in communication skills and information literacy.

1025 [PEPR 1025]. Movement Core II: Striking and Volleying. 2. Provides PETE majors with necessary knowledge to teach striking and volleying at the precontrol, control, utilization and proficiency levels of skill proficiency to learners K-12. Prerequisites: none.

1052 [PEPR 1052]. Introduction to Athletic Training. 3. Provides the prospective athletic trainer with the skill and knowledge necessary to improve a risk management and preventative program for athletes and others involved in physical activity.
2025 [PEPR 2025]. Movement Core IV: Physical Fitness and Physical Activity 2. [P14 (none)] Designed for prospective school-based physical and health education teachers K-12. Focuses on five primary content areas: what is fitness education and why do we need it; development of concepts-based fitness curriculum; teaching cognitive aspects of fitness education; teaching physical aspects of fitness education; and promoting fitness education.

2040 [PEPR 2040]. Human Anatomy 3. [S1 SB] Study of human structure in terms of its microscopic and gross anatomy. Provides students with adequate background to study human physiological function. The corresponding course, to be taken concurrently, is ZOO/KIN 2041. Crosslisted with ZOO 2040. Prerequisite: LIFE 1000 or 1010.

2041 [PEPR 2041]. Human Anatomy Laboratory. I. [S1 SB] A laboratory study of human structure in terms of human microscopic and gross anatomy. This laboratory course is designed to provide students with an adequate background to study human physiology and kinesiological function. Prerequisite: KIN/ ZOO 2040 or concurrent enrollment in KIN/ ZOO 2040.

2057 [PEPR 2057]. Assessment and Evaluation of Athletic Injury/Illness I. 3. Provides the prospective athletic trainer with the skill and knowledge necessary to evaluate and recognize upper extremity, cervical spine, and head injuries that occur to the athlete and physically active. Prerequisite: KIN 1052, 1058, 2040, and 2041; concurrent enrollment in KIN 2068.

2058 [PEPR 2058]. Assessment and Evaluation of Athletic Injury/Illness II. 3. Provides the prospective athletic trainer with the skill and knowledge necessary to evaluate and recognize lower extremity and spine injuries that occur to the athlete and physically active. Prerequisite: KIN 2057; concurrent enrollment in KIN 2078.

2068. Athletic Training Clinical I. 1. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 1052 and 1058 are applied in the clinical and field settings. Prerequisite: KIN 1052, 1058, 2040, and 2041; concurrent enrollment in KIN 2057.

2069 [PEPR 2069]. History and Philosophy of Sport. 3. Discusses history of sport with emphasis on contributions of Greeks and Romans. Studies influence of Scandinavian countries, Germany and other European nations, plus sports and games of the American Indians. Includes sports in the U.S. from colonial period through present and influence of selected educational philosophers on sports. (Offered fall semester)

2078. Athletic Training Clinical II. 1. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 1052, 1058, and 2057 are applied in the clinical and field settings. Prerequisite: KIN 2057 and 2068; concurrent enrollment in KIN 2058.

2080 [3090, PEPR 3090]. Coaching Football. 2. For those who wish to become proficient in skills and techniques of teaching fundamentals and team organization of modern football. Presents use of audiovisual materials for teaching and scouting purposes. Prerequisite: successful completion of USP core requirement I. (Offered spring semester)

2081 [3091, PEPR 3091]. Coaching Basketball. 2. For all men and women wishing to coach basketball. Presents organization of practice schedule, meeting the public, varsity travel and fundamentals of offense and defense. Prerequisites: successful completion of USP core requirement I. (Offered fall semester)

2082 [3092, PEPR 3092] Coaching Track and Field. 2. For those interested in teaching or coaching track and field. Prerequisite: successful completion of USP core requirement I. (Offered fall semester)

2083 [3093, PEPR 3093]. Coaching Swimming. 2. Acquaints students with many different aspects of aquatics; provides understanding of rhythmical parts of selected swimming strokes; explains water safety; discusses teaching and coaching aspect of a total swimming program. Prerequisite: successful completion of USP core requirement I. (Offered fall semester)

2084 [3094, PEPR 3094]. Coaching Wrestling. 2. Acquaints and prepares students with theory and techniques involved in teaching and coaching wrestling. Prerequisite: successful completion of USP core requirement I. (Offered fall semester)

2091 [PEPR 2091]. Rules and Techniques of Athletic Officiating I. 2. Surveys techniques and rules of athletic officiating. Emphasizes principles and procedures necessary to become an effective official. Laboratory experience in officiating is provided that covers the officiating aspects of football, cross country, basketball and wrestling.


2900. Topics In: Pre-Health Education. 1-3 (Max. 3). Course Topics could include Peer Health Education, Current Issues in Health, etc. Prerequisite: sophomore standing.

3010 [PEPR 3010]. Fundamentals of Health and Fitness Assessment. 3. Students will learn the fundamental concepts of health appraisal, assessment of health-related fitness and physical fitness levels, individual and group exercise programming and leadership, and methods of behavioral change. Fitness will be discussed in both theoretical and practical terms with an emphasis on adults. Has lecture and lab components. Prerequisite: completed or concurrent enrollment in KIN 3021; 2.5 GPA.

3011 [PEPR 3011]. Teaching Methods in Physical Education K-12. 3. Develops knowledge, skills and understandings appropriate to successful participation in a class setting when functioning in the teaching role. Prerequisites: grade of C or better in KIN 3012 and 3034; 2.75 minimum GPA; concurrent enrollment in KIN 3015.
3012 [PEPR 3012]. Teaching Laboratory I. 3. Provides the opportunity to develop skills and acquire knowledge needed to teach physical education. Allows the opportunity for students to evaluate the motor status and progress of a preschool aged child, as well as plan and implement a developmentally appropriate motor program. Prerequisites: Completed KIN 1000, 1004, 1025, 2000, 2025, 3025, and THEA 3025; concurrent enrollment in KIN 3034; 2.5 GPA. (Offered fall semester)

3015 [PEPR 3015]. Teaching Laboratory II. 3. [(none)] Provides pre-service physical education teacher with skills, knowledge and principles of teaching through application of peer teaching and small group elementary school teaching. Emphasizes and practices program development, lesson planning and development of a physical education teaching unit. Prerequisites: grade of C or better in KIN 3012 and 3034; 2.75 minimum cumulative GPA; concurrent enrollment in KIN 3011, 4055 and 4080. (Offered spring semester)

3020 [PEPR 3020]. Observational Experience in Movement Science. 1-2 (Max. 6). Provides students with off-campus opportunity to observe professionals in the work place. Emphasis is placed on physical or occupational therapy. Conducted under supervision and arranged by coordinator of undergraduate programs. Offered S/U only. Prerequisites: sophomore status, consent of coordinator of undergraduate programs, 2.5 GPA.

3021 [PEPR 3021]. Physiology of Exercise. 4. [M3] Applies physiological principles to human physical activities. Emphasizes interaction of neuromuscular, circulatory and respiratory mechanisms as affecting, and affected by, immediate exercise situation and physical training. Includes laboratory. Cross listed with ZOO 3021. Prerequisites: QA, KIN/ZOO 2040 and 3115; minimum 2.5 GPA. (Offered fall and spring semesters)

3025 [PEPR 3025]. Movement Core V: Folk, Square and Social Dance. 2. [C3] Reviews concepts and skills and rhythmic fundamentals. Introduces social, folk and square dances. A performance class, which provides the opportunity for self awareness and self expression through in-class experiences in dance. Students discuss the importance of studying and teaching dance, and research the music, dance step, costume and mannerisms of a specified country. Prerequisites: junior standing and 2.5 GPA or consent of instructor.

3034 [PEPR 3034]. Lifespan Motor Development. 3. Studies lifespan motor development. Emphasizes developmental periods of infancy through adolescence. Gives attention to observation and analysis of motor behavior and movement performance of individuals across lifespan. Prerequisites: PSYC 1000; junior status; 2.50 GPA. (Offered fall semester)

3037 [PEPR 3037]. Sport Psychology. 3. Studies psychological theories and techniques applied to sport to enhance the performance and personal growth of athletes and coaches. Emphasizes the influence of personality, anxiety, motivation, social factors, and psychological skills training. Prerequisite: Admitted to the last two years of one of the programs in DK&H. Prerequisites: PSYC 1000, junior status and 2.50 GPA.

3038. Exercise Psychology. 3. Studies psychological theories for understanding and predicting health-oriented exercise behavior, including psychological intentions for increasing exercise participation and adherence. Emphasizes psychological and psychobiological responses to exercise. Prerequisites: admitted to the last two years of one of the programs in DK&H.

3040 [PEPR 3040]. Teaching Human Anatomy. 3. Students develop communication and teaching skills while expanding their knowledge in anatomy. Under faculty instruction, each student develops lecture and laboratory lessons for all human anatomy systems. Under direct faculty supervision, each student demonstrates their teaching skills through preparation of videotape segments and actual laboratory teaching experience in the lower-division human anatomy course. Prerequisites: KIN/ZOO 2040, junior status and consent of instructor.

3042 [PEPR 3042]. Biomechanics of Human Movement. 3. Introduces fundamental principles of human movement. Includes study and elementary analysis of human motion based on anatomical and mechanical principles. Prerequisites: KIN/ZOO 2040; PHYS 1050 or 1110 or 1210 or 1310; minimum 2.5 GPA.

3050 [PEPR 3050]. Prevention and Care of Athletic Injuries. 2. Encompasses theory and practical work in the field of athletic training. Strongly emphasizes prevention and care of athletic injuries, including wrapping and taping techniques. Prerequisites: junior status; LIFE 1000 or 1010; minimum 2.5 GPA.

3052 [PEPR 3052]. Rehabilitation of Athletic Injuries. 3. Provides a foundation of appropriate rehabilitation principles and techniques based on current research/rational. The scope is inclusive of approaches applicable to common sports medicine problems. Prerequisites: KIN 2058 and 2078; minimum GPA of 2.50.

3058 [PEPR 3058]. Therapeutic Modalities for the Athletic Trainer. 3. Provides the prospective athletic trainer with the knowledge and skill necessary to use therapeutic modalities for the health care of the physically active. Prerequisites: KIN 3052 and 3068; minimum GPA of 2.50.

3068. Athletic Training Clinical III. 2. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 2057 and 2058 are applied in the clinical and field settings. Prerequisites: KIN 2058 and 2078; concurrent enrollment in KIN 3052; minimum GPA of 2.50.

3078. Athletic Training Clinical IV. 2. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 2057, 2058, and 3052 are applied in the clinical and field settings. Prerequisites: grade of C or above in KIN 3052 and 3068; concurrent enrollment in KIN 3058; minimum GPA of 2.50.

3115. [KIN 2110, PEPR 2110]. 4. Human Systems Physiology. Covers the fundamental function(s) of the human body systems, from cells and tissues through organs and systems, focusing also on biological communication and homeostasis. Students learn how to interpret physiological data. Includes laboratory and tutorial sessions. Fulfills degree requirement in physiology subsection for zoology major. Cross listed with ZOO 3115. Prerequisites: grade of C or above in LIFE/BIOI; CHEM 1020 (preferred) or CHEM 1000; sophomore standing.

4001 [PEPR 4001]. Short Course in Physical Education for Undergraduates. 1-6 (Max. 6). Highlights special topics in kinesiology at the undergraduate level, based on need. Maximum allowable credit is 6 semester hours. Offered S/U only. Prerequisites: junior status and 2.50 cumulative GPA.

4012 [PEPR 4012]. Curriculum Development in Physical Education. 2. Provides understanding of functions of a physical education curriculum and students’ role in its planning, implementation and evaluation. Prerequisites: grade of C or better in KIN 3011, 3015 and 4080; 2.75 minimum cumulative GPA; concurrent enrollment in KIN 4017. (Offered fall semester)

4013. School Administration for the Health Sciences. 3. Course provides teaching majors with information about staff-administrator relationships in school settings. Topics include principles of leadership, school organization and culture, legal issues, community issues pertaining to schools, curriculum and instruction, financial issues, building and facilities management, discipline and decision making. Prerequisites: senior status or minimum GPA of 2.50.
4015 [PEPR 4015]. Internship Experience in Kinesiology. 1-12 (Max. 12). Provides culminating clinical experience at a business, industry or institution related to students' aspirations and training. Conducted under Kinesiology departmental faculty member. Offered S/U only. Cross listed with HLED 4015. Prerequisites: junior standing, KIN 3021; 2.50 GPA.

4016. Research Experience in Kinesiology and Health. 3-6 (Max. 6). Offered to students who wish to gain a research experience in Kinesiology and Health. Meant for students who are interested in pursuing an advanced degree. Students may choose to complete KIN/HLED 4016 instead of KIN/HLED 4015. Cross listed with HLED 4016. Prerequisites: minimum junior standing; completed KIN 3021; minimum 2.50 GPA.

4017 [PEPR 4017]. Teaching Laboratory III. 4. Provides students opportunity to teach an elementary and secondary physical education unit in a school setting. Allows students to develop teaching progression, analyze sport skills, and develop effective management system. Prerequisites: grade of C or better in KIN 3011, 3015, and 4080; 2.75 minimum cumulative GPA; concurrent enrollment in KIN 4012. (Offered fall semester)

4020. Motor Behavior. 3. Provides undergraduate majors in kinesiology and health the foundation of motor learning and control theories to be applied to decisions related to the enhancement of human performance. Prerequisites: PSYC 1000 or equivalent course; admission to professional program in K&HP.

4029 [PEPR 4029]. Methods of Training and Conditioning. 3. Gives students knowledge and experience needed to develop and lead exercise training programs. Of interest to teachers, coaches and fitness leaders. Prerequisites: junior standing, KIN 3021 and minimum 2.50 GPA. (Offered spring semester)

4042. Advanced Biomechanics. 3. Provides in-depth understanding of principles of motion and the application of these principles to human movement. Emphasis on combining the mechanics of movement with the biological aspects of anatomy and physiology. Discussion on the basics of movement control and the effects of fatigue on movement. Prerequisites: KIN 3042; minimum GPA of 2.50.

4052 [PEPR 4052]. General Medical Conditions for the Athletic Trainer. 3. Provides the prospective athletic trainer with the knowledge and skill necessary to recognize, manage, and refer the general medical conditions, disabilities and pathologies that occur to athletes and the physically active. Prerequisites: KIN 3058 and 3078; concurrent enrollment in KIN 4068; minimum GPA of 2.50. (Offered fall semester)

4055 [PEPR 4055]. Adapted Physical Education. 2. Provides skills necessary to plan, implement and evaluate individualized physical education programs in the least restrictive environment. Prerequisites: concurrent enrollment in KIN 3034 and 2.50 GPA. (Offered spring semester)

4056 [PEPR 4056]. Advanced Exercise Testing and Prescription. 4. Teaches foundational electrocardiography to perform graded exercise stress tests (GXT), performance of GXT's to health and diseased populations based on a health appraisal assessment. Knowledge used to develop comprehensive exercise prescriptions, make metabolic calculations. Emphasis on how physical activity, nutrition/weight management, and behavioral factors interact with exercise programming. Dual listed with KIN 5056. Prerequisites: completion of KIN 3010 and 3021; 2.5 GPA; CPR Certification.

4058 [PEPR 4058]. Organization, Administration, and Pharmacology for the Athletic Trainer. 3. Provides the prospective athletic trainer with the knowledge and skill necessary to better understand the pharmacology and administration of athletic health management. Prerequisites: KIN 3052 and 3068; concurrent enrollment in KIN 3058 and KIN 3078; minimum GPA of 2.50. (Offered spring semester)

4062. Applied Concepts in Human Aging. 3. Designed to integrate and apply concepts acquired in core KIN and HLED courses (e.g., human physiology, exercise physiology, health promotion, etc.) to the growing of older/aging adults. Age-related pathologies will be presented and discussed as will be the scientific method. Prerequisites: KIN 3021; minimum 2.5 GPA; junior standing.

4065 [PEPR 4065]. Resources in Adapted Physical Education. 2-3 (Max. 3). Offers flexible credit for students interested in pursuing intensive study of resources for adapted physical education. Required for state endorsement in Adapted Physical Education. Prerequisites: junior status, KIN 4055 and minimum 2.50 GPA.

4066. Biological Factors Influencing Exercise Performance. 3. Application of physiological responses to exercise to special conditions. A focus on skeletal muscle fiber typing and the importance of fiber type distribution in athletics. Factors like nutritional needs of athletes, use of ergogenic aids, the female and child athlete, exercise in “hostile” environments, and long term competitive events covered. Prerequisite: KIN 3021; 2.50 GPA.

4068. Athletic Training Clinical V. 3. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 3052 and 3058 are applied in the clinical and field settings. Prerequisites: KIN 3058 and 3078; concurrent enrollment in KIN 4052; minimum GPA of 2.50.

4074 [PEPR 4074]. Field Studies in ______. 1-5 (Max. 12). Offered only through extension services. Broad and flexible and can be utilized in numerous situations to meet local needs. (Credit in this course is not applicable toward advanced degrees.) Cross listed with HLED 4074. Offered for S/U grade only.

4075. Assessment in Adapted Physical Education. 3. Designed to provide an overview of the assessment process in adapted physical education. Developmentally and disability appropriate psychomotor assessments and procedures for administering them are examined. Prerequisites: KIN 4055, KIN 4080.

4080 [PEPR 4080]. Assessment in Physical Education. 3. [none]•WC] Provides prospective teachers with a thorough knowledge of learner assessment as applied to physical education K-12. Prerequisites: grade of C or better in KIN 3012 and 3034; 2.75 minimum cumulative GPA. (Offered spring semester)

4085 [PEPR 4085]. Honor Studies in Physical Education. 2-10 (Max. 10). Provides flexible credit for undergraduate honor students to study under distinguished faculty in a specialized academic area of interest at UW or any other approved college or university. Prerequisites: 3.00 cumulative GPA and admission to physical education honors program.

4086 [PEPR 4086]. Honors Seminar. 2. Independent study. Consists of in-depth application of experimental techniques and materials to appropriate academic areas which directly support students’ majors. Offered for S/U grade only. Prerequisites: 3.00 cumulative GPA and admission to physical education honors program.

4088. Athletic Training Clinical VI. 3. Provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 3052, 3058 AND 4052 are applied in the clinical and field settings. Prerequisites: KIN 4052 and 4068; concurrent enrollment in KIN 4058; minimum GPA of 2.50.
4090 [PEPR 4090]. Foundations of Coaching. 3. Coaching means having knowledge and skill in coaching theory, teaching methodology, administration and management, psychology, sociology, exercise physiology and other areas. Provides prospective coaches with current information about scientific foundations of coaching. Content is required for application of Athletic Coaching Permit in Wyoming. Prerequisites: junior status and 2.5 cumulative GPA.

4097 [PEPR 4097]. Individual Problems. 1-3 (Max. 6). Provides flexible credit for juniors and seniors who wish to undertake intensive study of a special problem in physical education. Offered S/U grade only. Prerequisites: junior status and 2.50 GPA.

4099 [PEPR 4099]. Student Teaching in Physical Education. 1-16 (Max. 16). Student teaching is the culminating experience required of all students in teacher education for graduation and recommendation for certification. Consists of full-time assignment of 16 weeks in an approved school station in Wyoming under supervision of an experienced, approved supervising teacher. Offered for S/U grade only. Prerequisites: Completion of KIN 4012 and 4017; 2.5 GPA; consent of coordinator of student teaching in physical education.

4900. Topics in ____. 1-3 (Max. 6). Designed to provide interested students with an additional opportunity to study selected aspects of physical education. Prerequisite: graduate standing.

5014. Teaching Tactics in Sport-Based Physical Education. 3. Introduces students to the instructional strategy of the Tactical Games Approach (Mitchell, Oslin, & Griffin, 2006) of teaching sport-based activities in physical education. Emphasis is on planning, implementing, assessing and evaluating the tactical approach within the K-12 physical education context. Prerequisite: graduate standing.

5016. Analysis and Supervision of Teaching in Physical and Health Education. 3. Introduces various evaluative and supervisory techniques which are designed to improve teaching effectiveness and student learning. Emphasis will be placed on utilizing various strategies of evaluation in instructional settings. Prerequisite: graduate standing.

5017. Research on Teaching Physical and Health Education. 3. Survey of techniques, paradigms, and findings of research on teaching. Cross listed with HLED 5017. Prerequisite: graduate standing.

5025. Exercise Physiology II. 2-4 (Max. 4). Provides interested students with an additional opportunity to study selected aspects of exercise physiology. Research and investigation are emphasized. Prerequisite: graduate standing.

5029. Methods of Training and Conditioning. 3. Upper-level applied exercise training and conditioning course aimed at giving students the knowledge and experience needed to develop and lead exercise training programs. It will be of interest to teachers, coaches, and fitness leaders. Dual listed with KIN 4029. Prerequisite: junior standing, KIN 3021 and a minimum 2.50 GPA.

5034. Lifespan Growth and Psychomotor Development. 3. Takes a scholarly approach to the subject of psychomotor development, with particular emphasis on the theoretical and scientific examination of motor behavior as it changes over time. Emphasis is placed on observing movement and analyzing changes in it. Prerequisites: graduate standing, KIN 3034 or equivalent.

5035. Sociology of Sport. 3. Study of the social aspects of sport and play. Includes concepts, research studies, and theories related to such topics as politics, economies, crowd behavior, religion, sexual identity and gender, and ethical and moral values related to sport. Prerequisites: graduate standing and a general sociology course.

5039. Perception and Action in Motor Skills. 3. For graduate students who have general interest in understanding how the human perceptual system is coping with the human action system in performing skilled motor tasks. An overview of the existing theories and studies in the field will be provided with sufficient breadth and depth. Prerequisite: undergraduate prerequisite course in one of the following areas: Motor Behavior (Motor Learning, Control, or Development); Cognitive Psychology; Human Biomechanics; Human Physiology.

5046. Applied Biomechanics. 3. Designed to provide in-depth study of sport, clinical, and tissue applied biomechanics. Students select one area of inquiry and conduct a comprehensive literature review of the topic. Prerequisite: KIN 3042, graduate standing.

5047. Research Biomechanics. 3. Designed to develop skills and techniques needed to conduct biomechanics research and the knowledge to better understand published research studies in biomechanics. Prerequisite: KIN 5045.

5056. Advanced Exercise Testing and Prescription. 4. Teaches foundational electrocardiography to perform graded exercise stress tests (GXT), performance GXTs to health and diseased populations based on a health appraisal assessment. Knowledge used to develop comprehensive exercise prescriptions, make metabolic calculations. Emphasis on how physical activity, nutrition/weight management, and behavioral factors interact with exercise programming. Dual listed with KIN 4056. Prerequisites: completion of KIN 3010 and 3021; 2.5 GPA; CPR certification.

5062. Applied Concepts in Human Aging. 3. Designed to integrate and apply concepts acquired in core KIN and HLED courses (e.g. human physiology, health promotion, etc.) to the growing population of older/aging adults. Age-related pathologies are presented and discussed as is the scientific method. Dual listed with KIN 4062. Prerequisites: KIN 3021; minimum 2.50 GPA; junior standing.

5080. Investigations in Kinesiology and Health. 1-3 (Max. 3). Designed to develop Master of Science level graduate students into critical consumers of research. An additional purpose is to develop research skills to the level necessary to complete a master of science Plan B paper. Cross listed with HLED 5080. Prerequisite: graduate standing.

5085. Research Methods. 3. Focuses on methods and techniques for evaluating and conducting research. Potential and completed research problems are analyzed and evaluated. Research processes are reviewed with emphasis on application. Standards for writing literature reviews and research proposals are also emphasized. Prerequisite: admission to the UW Division of Kinesiology and Health's graduate program.
5097. Individual Problems. 1-3 (Max. 6). Provides flexible credit for students who wish to undertake intensive study of a special problem identified in a regular class. Cross listed with HLED 5097. Prerequisite: graduate standing.

5536. Sport Psychology. 3. Examines theoretical, research, and professional issues in contemporary sports psychology. Basic research design, including quasi-experimental design are covered, particularly to discuss the outcome studies or proposed applications such as imagery and hypnosis. Development of applied sport psychology and proposed interventions with sport behavior are viewed in relation to the development of these approaches, related training issues and outcome research. Identical to PSYC 5536. Prerequisite: graduate standing, sport or general psychology course, and consent of instructor.

5537. Exercise Psychology. 3. Focuses on key conceptual issues and research in exercise psychology and the application of research findings in a variety of physical activity settings. Specific content areas include psychological benefits of physical activity, exercise adherence, public health and exercise issues, theory, and determinants of physical activity, interventions for adoption and maintenance, and professional ethics. Prerequisite: graduate standing, KIN 3037.

5586. Seminar. 1-6 (Max. 8). Graduate students in kinesiology and health work intensively on current issues and problems, and may pursue specific areas of emphasis. Although a total of 8 hours is permitted under this number, only 6 hours are allowed by the Division of Kinesiology and Health toward a student's graduate program. Cross listed with HLED 5586. Prerequisite: graduate standing.

5587. Special Problems. 1-6 (Max. 9). Provides a broad perspective through selected reading material and wherever possible the student collects and uses original information in practical school situations. All work is done independently under the direction of a faculty member. As many conferences are held as necessary to assure successful completion of the project. Prerequisite: consent of instructor and division director, graduate status.

5900. Practicum in College Teaching. 1-3 (Max. 3). Work in classroom with a major professor. Expected to give some lectures and gain classroom experience. Prerequisite: graduate standing.

5920. Continuing Registration: On Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5940. Continuing Registration: Off Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5959. Enrichment Studies. 1-3 (Max. 99). Designed to provide an enrichment experience in a variety of topics. Note: credit in this course may not be included in a graduate program of study for degree purposes.

5960. Thesis Research. 1-12 (Max. 24). Designed for students who are involved in research for their thesis project. Also used for students whose coursework is complete and are writing their thesis. Prerequisite: enrollment in a graduate degree program.

5980. Dissertation Research. 1-12 (Max. 48). Graduate level course designed for students who are involved in research for their dissertation project. Also used for students whose coursework is complete and are writing their dissertation. Prerequisite: enrollment in a graduate degree program.

5990. Internship. 1-12 (Max. 24). Prerequisite: graduate standing.

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Health Education (HLED)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24-QBJ]).

1006. Personal Health. 3. Acquaints students with a variety of personal health issues: from the importance of physical activity and exercise, to how to manage stress and social pressures. Students learn how to better care for their bodies and change and modify health behaviors that could be detrimental. Students also learn how to improve their current state of overall health and well being.

1221. Standard First Aid and Personal Safety. 1-2 (Max. 2). Studies accident prevention, examination procedures and first aid care for victims of accidents or sudden illness before medical assistance is available. Presents new Red Cross content and CPR. CPR is incorporated in the sections offered for 2 credit hours.

2006. Health for Elementary Educators. 3. Examines the importance of physical activity and exercise, how to manage stress and social pressures. Students learn how to better care for their bodies and change and modify health behaviors that could be detrimental. Additional emphasis is placed on improving the health of given populations. Prerequisites: HLED 1006; sophomore or junior standing; admission to K&HP or K&HP-AT professional program or minimum 2.50 cumulative UW GPA.

4004. Needs Assessment and Program Planning. 3. Focuses on needs assessment and program planning in the health education process. Extensive time is spent learning, analyzing, and applying a variety of needs assessment methods. The impact of extensive community needs assessment on planning effective community programs and interventions are examined. Additional emphasis is placed on the methods necessary for planning effective health promotion programs. Dual listed with HLED 5004. Prerequisites: HLED 3000 and 2.5 GPA.

4010. Program Evaluation and Grant Writing. 3. Provides students with an in-depth examination of program evaluation techniques and methodology as they apply to the evaluation of health promotion programs. Students gain an understanding of how to identify funding opportunities (grants) and how to prepare grant proposals. Dual listed with HLED 5010. Prerequisites: HLED 4004.
4025. Teaching Sensitive Issues in Human Sexuality. 3. Prepares educators and other helping professionals whose work involves promoting healthy sexuality in children, young people, and adults. It also provides detailed investigation into important aspects of teaching sensitive issues related to human sexuality. Students practice, critique, develop, and evaluate sexuality education processes and resources. Dual listed with HLED 5025. Prerequisites: junior class standing, 2.5 GPA, and SOC 2200.

4040. Stress Management. 3. The stress process and its relationship to the concept of total health. The physical and psychological effects of stressors and individual appraisals will be explained using theoretical models and practical examples. Students learn how to personally identify and manage stress in a healthy manner. Emphasis is placed on learning effective skills to reduce harmful effects of stress. Prerequisites: junior class standing for HLED 4040 and graduate standing for HLED 5040.

4074. Field Studies in ______. 1-5 (Max. 12). Offered only through extension services. Broad and flexible and can be utilized in numerous situations to meet local needs. (Credit in this course is not applicable toward advanced degrees.) Cross listed with KIN 4074. Offered for S/U grade only.

4097. Individual Problems. 1-9 (Max. 9). Provides flexible credit for students who wish to undertake intensive study and/or experimental activities in health education. Offered for S/U grade only. Prerequisite: consent of instructor.

4010. Teaching Health in Schools K-12. 3. Acquaints students with health problems of today's school child, recognition of the problems and various methods of handling them. Prerequisites: HLED 1006, junior status and 2.50 GPA. (Offered fall semester)

4103. Models of Teaching in Physical Education. 3. Explores the range of teaching styles and the appropriateness of their uses. Cross listed with PEPR 5013. Prerequisite: graduate status.

5016. Analysis and Supervision of Teaching Physical Education. 3. Students are introduced to various evaluative and supervisory techniques which are designed to improve teaching effectiveness and student learning. Emphasis is be placed on utilizing various strategies of evaluation in instructional settings. Prerequisite: graduate standing

5019. Topics in ______. 1-3 (Max. 9) Integrates kinesiology and/or health concepts necessary for graduates in multiple professions. Provides experiential learning and training for success in allied healthcare fields. Students may develop and present projects that relate their education and training to a hypothetical workplace environment. Prerequisite: KIN 3021.

4970. Field Experience in Health Education. 1 - 12 (Max. 12). Offered as practical health education experience for senior level health education majors. Students may take from 1 -12 credits at a time for a required cumulative maximum of 12 credits. Broad and flexible and can be utilized in numerous situations to meet local needs. (Credit in this course is not applicable toward advanced degrees.) For S/U grade only. Prerequisites: senior standing and consent of instructor.

5004. Needs Assessment and Program Planning. 3. Focuses on needs assessment and program planning in the health education process. Extensive time will be spent learning, analyzing, and applying a variety of assessment methods. The impact of extensive community needs assessment on planning effective community programs and interventions will examined. Additional emphasis will be placed on the methods necessary for planning effective health promotion programs. Dual listed with HLED 4004. Prerequisite: HLED 3000 or graduate status and a graduate course in research methods.

5010. Program Evaluation and Grant Writing. 3. Provides students with an in-depth examination of health promotion programs, evaluation techniques and methodology. Students will also gain an understanding of how to identify funding opportunities (grants) and how to prepare grant proposals. Dual listed with HLED 4100. Prerequisite: HLED 4004 or HLED 5004 and graduate standing.

4120. Management of Coordinated School Health Programs. 3. Reviews the coordinated school health program (CSHP) model and identifies research that supports the eight components of the model. Prepares students to advocate for CSHP and to develop the school infrastructure necessary to carry out such a program. Also prepares individuals to work with school from job settings outside the school. Dual listed with HLED 5130. Prerequisites: HLED 1006 and 3010, junior standing and 2.5 GPA. (Offered fall semester)
5080. Investigations in Kinesiology and Health. 1-3 (Max. 3). Designed to develop master of science level graduate students into critical consumers of research. An additional purpose is to develop research skills to the level necessary to complete a master of science Plan B paper. Dual listed with KIN 5080. Prerequisite: graduate standing.

5085. Research Methods in Health Education. 3. Focuses on methods and techniques for evaluating and conducting research. Potential and completed research problems are analyzed and evaluated. Research processes are reviewed with emphasis on application. Standards for writing literature reviews and research proposals are also emphasized. Cross listed with KIN 5085. Prerequisite: admission to the UW Division of Kinesiology and Health's graduate program.

5097. Individual Problems. 1-3 (Max. 6). Provides flexible credit for students who wish to undertake intensive study of a special problem identified in a regular class. Cross listed with KIN 5097. Prerequisite: graduate standing.

5115. Interdisciplinary Early Childhood Seminar. 3. Advanced professional course for students interested in current trends and issues in early childhood development. Interdisciplinary in nature, drawing from research in communication disorders, kinesiology and health, elementary and early childhood education and special education, child and family studies, nursing, and psychology. Cross listed with FCSC, EDEC, NURS, PSYC, SPPA 5115. Prerequisite: graduate standing.

5130. Management of Coordinated School Health Programs. 3. Reviews the coordinated program (CSHP) model and identifies research that supports the eight components of the model. Prepares students to advocate for CSHP and to develop the school infrastructure necessary to carry out such a program. Also prepares individuals to work with school from job settings outside the school. Dual listed with HLED 4130. Prerequisite: HLED 1006 and 3110, junior standing and 2.50 GPA.

5586. Seminar in Health Education. 1-6 (Max. 8). Graduate students in kinesiology and health work intensively on current issues and problems, and may pursue specific areas of emphasis. Although a total of 8 hours is permitted under this number, only 6 hours are allowed by the Division of Kinesiology and Health toward a student’s graduate program. Cross listed with KIN 5586. Prerequisite: graduate standing.

5587. Special Problems. 1-6 (Max. 9). Provides a broad perspective through selected reading material and/or experiential activities. All work is done independently under the direction of a faculty member. As many conferences are held as necessary to assure successful completion of the project. Prerequisite: consent of instructor and graduate standing.

5900. Practicum in College Teaching. 1-3 (Max. 3). Work in classroom with a major professor. Expected to give some lectures and gain classroom experience. Prerequisite: graduate standing.

5920. Continuing Registration: On Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5940. Continuing Registration: Off Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5959. Enrichment Studies. 1-3 (Max. 99). Designed to provide an enrichment experience in a variety of topics. Note: credit in this course may not be included in a graduate program of study for degree purposes.

5960. Thesis Research. 1-12 (Max. 24). Designed for students who are involved in research for their thesis project. Also used for students whose coursework is complete and are writing their thesis. Prerequisite: enrollment in a graduate degree program.

Life Sciences Program
138 Aven Nelson Building, 766-4158
FAX: (307) 766-2851
Web site: www.uwyo.edu/lifescience
Program Director: Mark E. Lyford

The Life Sciences Program consists of all LIFE prefix courses. These courses support the life science majors and several non-life science majors across campus. The number of LIFE courses taken by life science and other majors is determined by the departments that offer the majors. The curriculum intends to provide life-science majors with both breadth and depth in the basic life sciences, and non-science majors with exposure to key concepts in biology and an understanding of the connections between science and society. The program courses also expose students to the fields of cell and molecular biology, genetics, ecology, and evolution, and they familiarize students with the diversity of life on the planet. Courses within the curriculum address four fundamental goals at a level appropriate for each course: 1) Acquisition, Application and Synthesis of Knowledge, 2) Communication Skills, 3) Critical Thinking and Problem Solving, and 4) Research Skills.

For information on LIFE course offerings, please refer to the Life Sciences Program entry in the College of Arts and Sciences.

Division of Medical Education and Public Health
Family Medicine Residency Programs
Casper: Matthew McEchron, Director
(307) 766-2496
Web site: www.uwyo.edu/wwami

Professors:
WALTER G. (JERRY) SAUNDERS, M.D.
University of Colorado Health Sciences Center 1966; B.S. University of Wyoming 1996; Clinical Professor 2007.

Associate Professors:
JAMES F. BROOMFIELD, B.S. University of Arkansas 1986; M.D. 1990; Associate Professor of Family Medicine, Cheyenne 2005, 1999.

RONALD L. MALM, B.S. University of Wyoming 1988; D.O. The University of Health Sciences, College of Osteopathic Medicine 1992; Associate Professor of Family Medicine, Cheyenne 2005, 1999.

MATTHEW McECHRON, B.S. University of Iowa 1990; M.S. University of Miami 1993; Ph.D. 1995; Associate Professor, WWAMI Medical Education Program 2008.

DOUGLAS S. PARKS, B.S. Baker University 1978; M.D. University of Kansas 1984; Associate Professor of Family Medicine, Cheyenne 1999, 1993.

BETH ROBITAILLE, B.A. University of Notre Dame 1991; M.D. Creighton University School of Medicine 1995; Clinical Associate Professor of Family Medicine, Casper 2007, 2002.

STEPHAN N. TRENT, B.A. University of Tennessee 1973; D.O. University of Health Sciences 1980; Clinical Associate Professor of Family Medicine 2007, 2002.

Assistant Professors:
STEVEN L. ANDERSEN, B.S. University of Minnesota 1979; M.D. University of Minnesota School of Medicine 1983; Clinical Assistant Professor of Family Medicine Casper 2009.

LISA K. BRANDES, B.S. Kansas State University 1987; M.D. University of Kansas School of Medicine 1993; Clinical Assistant Professor 2006.
The Division of Medical Education and Public Health provides opportunities for qualified Wyoming students to pursue careers in medicine; supports both undergraduate and graduate medical education programs; promotes high quality continuing education in medicine and other health care fields for Wyoming providers; facilitates increased accessibility of health and medical services in remote and shortage areas; supports interdisciplinary clinical training; and works closely with the Center for Rural Health Research and Education to promote research and programs to address rural/frontier health delivery concerns.

The University of Wyoming medical contract program enhances medical education opportunities for Wyoming residents. In March 1996, the University of Wyoming became a partner in the WWAMI (Washington, Wyoming, Alaska, Montana, Idaho) Program. As a result, students accepted into the medical contract program attend the University of Washington School of Medicine. The first year of this program is taught on campus at the University of Wyoming. The doctor of medicine degree is awarded by the University of Washington. For further information, contact the Preprofessional Advising Office, College of Health Sciences, Laramie, Wyoming 82071, (307) 766-6704.

Because of the need for broadly trained primary care physicians in Wyoming, the Wyoming Legislature has established two residency programs in the specialty of family medicine. These two accredited, university-administered, community-hospital based family medicine residency programs are located in Casper and Cheyenne. They enroll up to 42 residents (14 in each of three years). The two family medicine centers are among the most modern and comprehensively equipped facilities of their kind in the nation and maintain a 1:4 faculty to resident ratio. The program at Casper began in 1976 and is affiliated with Wyoming Medical Center. The program utilized the services and facilities provided by the Community Health Center of Central Wyoming. The Cheyenne program became active in 1980 and is affiliated with United Medical Center. The program utilizes the services and facilities provided by the Veterans Administration and the FE Warren AFB hospitals also located in Cheyenne. Both centers utilize modern design and include spacious examining rooms; treatment and casting rooms; x-ray facilities; offices for faculty, residents and staff; complete laboratories; multiphasic research areas; conference rooms; business offices and roomy waiting rooms with play areas in the clinical component. In the educational component, both include large auditoriums, several classrooms; audio visual production centers; medical libraries; learning resource centers and administrative offices. Particular emphasis in both centers is placed on preparing physicians for rural practice and other facets of medical practice that are unique to Wyoming.

**Wyoming WWAMI Medical Education Program**

**FIRST YEAR: Fall**

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**Total Hrs.: 26**

**FIRST YEAR: Spring**

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**Total Hrs.: 24**

**Graduate Study**

The Division of Medical Education and Public Health provides graduate medical (residency) education for physicians in the specialty of family medicine. The university supports two fully accredited family medicine residency programs in Casper and Cheyenne with a capacity for 42 residents (14 in each of the three years). The Casper program began in 1976 and is affiliated with the Community Health Center of Central Wyoming and the Wyoming Medical Center. The Cheyenne program opened in 1980 and is affiliated with Cheyenne Regional Medical Center. In addition, the Cheyenne program has a close working relationship with the Veterans Administration Hospital. The residency programs are housed in two family medicine centers acclaimed to be among the most modern and comprehensively equipped facilities of their kind in the nation. Particular emphasis is placed on preparing physicians for rural practice and addressing those facets of medical practice that are unique to Wyoming.
In 1997, the University of Wyoming joined the University of Washington’s WWAMI Program to provide undergraduate medical education for the students of Wyoming. Medical students accepted into this program (WWAMI) take their first year of classes on campus at the University of Wyoming. Students interested in this program should contact the WWAMI in the College of Health Sciences at (307) 766-2496.

Human Medicine (HM)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24-Q8]).

6510. Microscopic Anatomy: Histology. 4.
Lecture/laboratory in microscopic anatomy designed to provide principles/concepts of histology, define morphological characteristics of cells, tissues, organs of human body and relate this information to functional processes studied in concurrent and subsequent courses. For S/U only. Prerequisites: admission to the WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

Structural organization of human body at the macroscopic level to provide a foundation for physical examination and functional assessment of the human organism. Integrates embryological development with study of cadaver and examination of normal living body. Concentrates on exploration of the body cavities and viscera they contain. For S/U only. Prerequisites: admission to the WWAMI program or consent of instructor and approval of WWAMI coordinator or the dean of the College of Health Sciences.

Physiology of cell membrane, ionic and electrical gradients; active transport, excitability, action potentials; biophysics of sensory receptors; neuromuscular transmission; muscle energetics/contractility; spinal reflexes and central synaptic transmission; autonomic nervous system; energy metabolism and temperature regulation; epithelial transport; gastrointestinal motility and secretions. For S/U only. Prerequisites: admission to the WWAMI program or consent of instructor and approval of WWAMI coordinator or the dean of the College of Health Sciences.

6513. Introduction to Clinical Medicine. 1.
Instruction in communication skills and interview techniques to form the basis for the doctor-patient relationship and for the skills of communication with patients. The patient profile is obtained. Attention to developing comfort in the physician role. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

First portion of a coordinated course covering classical molecular and cellular biochemistry, cellular physiology and molecular genetics. Metabolic interrelationships as they occur in the individual are stressed and related to disturbances in disease states. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or the dean of the College of Health Sciences.

6515. Biochemistry 1B. 3.
Second portion of a coordinated course covering classical molecular and cellular biochemistry, cellular physiology and molecular genetics. Metabolic interrelationships as they occur in the individual are stressed and related to disturbances in disease states. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6516. Systems of Human Behavior. 3.
Sensitizes students to the impact of such factors as emotional and physical development, cultural backgrounds, social roles, families, sexual identities and belief systems upon their effectiveness as physicians. Teaches skills in analyzing behavior, defining behavioral objectives and designing precise treatment strategies to attain these objectives. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or the dean of the College of Health Sciences.

6521. Natural History of Infectious Diseases 1A. 4.
Pathogenesis and immunity of infectious diseases, natural barriers. Microbiology, epidemiology, clinical manifestations and control of representative bacterial, fungal, parasitic and viral infectious diseases. Chemotherapeutics and principles of chemotherapy. Sterilization, principles of asepsis, nosocomial and iatrogenic infections and their prevention. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or the dean of the College of Health Sciences.

6522. Introduction to Clinical Medicine. 2.
Medical history is introduced and instruction in data collection is begun. Experience in conducting medical interviews with patients to obtain the medical history and patient profile. Special problems related to interviewing are addressed. For S/U Only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6523. Introduction to Immunology. 2.
Basic concepts such as antigens; antibodies; complement; B- and T-lymphocyte functioning, including interactions with each other and with accessory cells; immunological tolerance; major histocompatibility complex; and role of these basic concepts in immunopathology (immunodeficiencies, hypersensitivities, autoimmunity, blood transfusion, and transplantation). For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6524. Biochemistry 1B. 2.
Second portion of a coordinated course covering classical molecular and cellular biochemistry, cellular physiology and molecular genetics. Metabolic interrelationships as they occur in the individual are stressed and related to disturbances in disease states. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

Gross anatomy (including skull, pharynx and larynx), audition and balance, physiology and clinical evaluation, maxillofacial disorders, diseases of nasal passages, nasopharynx and oropharynx, accessory sinuses. Physical examination. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6532. Nervous System. 5.
Integrated approach to normal structure and function of the nervous system, including the eye. Neuropathological examples, as well as clinical manifestations of neurological disease are presented. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6533. Natural History of Infectious Diseases 1B. 2.
Pathogenesis and immunity of infectious diseases, natural barriers. Microbiology, epidemiology, clinical manifestations and control of representative bacterial, fungal, parasitic and viral infectious diseases. Chemotherapeutics and principles of chemotherapy. Sterilization, principles of sepsis, nosocomial and iatrogenic infections and their prevention. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6534. Natural History of Infectious Diseases 1B. 2.
Pathogenesis and immunity of infectious diseases, natural barriers. Microbiology, epidemiology, clinical manifestations and control of representative bacterial, fungal, parasitic and viral infectious diseases. Chemotherapeutics and principles of chemotherapy. Sterilization, principles of sepsis, nosocomial and iatrogenic infections and their prevention. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

6535. Introduction to Clinical Medicine. 3.
Adult screening physical examination is taught through the use of lecture, audiovisual aids, and small group tutorial, where students in supervised setting practice the physical examination on one another. Further practice in the performance and recording of the patient profile and medical history. For S/U only. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.
6553. Musculoskeletal System. 5. Gross, surface, applied and X-Ray anatomy of system including entire spine but excluding head and neck. Histology of bone, cartilage, tendon-mytendinous junction and joints. Musculoskeletal trauma and healing. Pathology and clinical manifestations of other degenerative, inflammatory, metabolic, nutritional and congenital disorders. Physical examinations. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or Dean of the College of Health Sciences.

6590. Medical Information for Decision Making. 1. Evidence Based Medicine (EBM) is now the predominant model by which medicine is practiced. The goal is to forge critical thinking skills and to teach analysis of the medical literature as a tool. Prerequisites: admission to WWAMI program or consent of instructor and approval of WWAMI coordinator or dean of the College of Health Sciences.

Microbiology Program
Program Director: Kenneth Mills
Phone: (307) 766-2029
FAX: (307) 766-3875
E-mail: kmills@uwyo.edu

The Bachelor of Science degree program in microbiology is organized as an interdepartmental major involving the collaborative teaching, advising and research expertise of more than 20 microbiology faculty from the Colleges of Arts and Sciences, Agriculture and Health Sciences. The program is administered by a program director and a coordinating committee which represents each of the participating colleges. Students may obtain their degree in either the College of Arts and Sciences or the College of Agriculture and Natural Resources and Natural Resources. Please see page 86 for list of faculty and program information.

Fay W. Whitney School of Nursing
351A Health Sciences Center, 766-4312
FAX: (307) 766-4294
Web site: www.uwyo.edu/Nursing
Dean: Mary E. Burman
Associate Dean - Academic Affairs: Pamala D. Larsen
Associate Dean - Clinical & Community Affairs: Susan H. Steiner

Professors:
MARY E. BURMAN, B.S.N. University of Minnesota 1983; M.S. University of Michigan 1986; Ph.D. 1990; Professor of Nursing 2003; Dean of Nursing 2008.
PAMELA N. CLARKE, B.S.N. Wayne State University 1969; M.P.H. University of Michigan, Ann Arbor 1971; Ph.D. Wayne State University 1983; Professor of Nursing 2003.
PAMALA D. LARSEN, B.S.N. Fort Hays State University 1969; M.S. University of Colorado Health Science Center 1984; Ph.D. University of Northern Colorado 1989; Professor of Nursing 2006; Associate Dean of Nursing 2008.

Associate Professor:
ANN MARIE HART, B.S.N. Medical College of Virginia 1991; M.S. University of Wyoming 1996; Ph.D. University of Colorado at Boulder 2003; Associate Professor of Nursing 2009.

Assistant Professor:
MARY ANNE PURTZER, B.S.N. University of Nebraska 1975; M.A. University of Wyoming 2002; M.S. 2005; Ph.D. 2007; Assistant Professor of Nursing 2008.

Clinical Associate Professor:
SUSAN H. STEINER, B.S.N. University of Michigan, Ann Arbor 1971; M.S. University of Wyoming 1988; Ph.D. 2001; Clinical Associate Professor 2009.

Senior Lecturer:
Holly Miller

Associate Lecturers:
Margaret Cashen, Anita C. Deselms, Mary Sue Hager, Sherrie Rubio-Wallace, Linda Williams

Assistant Lecturers:
Karen Benjamin, Penelope Caldwell, Constance Diaz-Swearingen, Linda Johnson, Ronda Kinsey, Laura Mallett, Dana Murphy-Parker, Kristy Nielson, Lois Pine, Debora Retz, Janet Somlyay

Adjunct Faculty:

Emeriti:
Marcia L. Dale, Beverly Taferi-Kennedy, Beverly McDermott, Fay W. Whitney, Elizabeth H. Wiest, Norma Wilkerson

The Fay W. Whitney School of Nursing (FWWSON) has well established undergraduate and graduate programs. Legislation to initiate the BSN program at the University of Wyoming was passed in 1951 with students admitted that fall. The program received initial accreditation from the National League for Nursing (NLN) in 1955 and has maintained accreditation since that time. Currently, the baccalaureate and graduate programs are accredited by the Commission on Collegiate Nursing Education.

Undergraduate and graduate curricula at the FWWSON are based upon our philosophy of nursing (as outlined on our nursing website) and specified professional documents. The Essentials documents for baccalaureate and master’s programs from the American Association of Colleges of Nursing serve as the primary foundation.

Mission

As a leader in professional nursing, outreach, and rural health, the FWWSON promotes and protects health through education, scholarship and service.

The school aspires to be a leader in nursing and health care in the State of Wyoming by providing state-of-the-art nursing education in the classroom and in the clinical arena. The school seeks to expand the professional nursing workforce in the state and region through partnerships with clinical facilities and other educational institutions to increase access to and streamline the process of nursing education from baccalaureate to doctoral education. Finally, the school will provide research support and expertise on the UW campus and throughout the state to enhance the quality of health and health care.
Accreditation and Membership

The baccalaureate and graduate programs are accredited by the Commission on Collegiate Nursing Education.

The baccalaureate program (Basic BSN BRAND, and RN/BSN Completion) is approved by the Wyoming State Board of Nursing (WSBN). A graduate is qualified to apply for admission to the licensing examination offered by the board.

Physical Requirements

All nursing students must be able to perform the essential functions of a student nurse. Reasonable accommodations will be afforded to student nurses with disabilities as required under the Americans with Disabilities Act of 1990. Faculty and staff from the FWWSON will work with staff from the University Disability Support Services office to determine what constitutes reasonable accommodations.

Background Checks Requirements

Students enrolled in clinical training programs within the College of Health Sciences are placed in educational and clinical settings where highly vulnerable clients such as minor children, individuals with disabilities, and/or the elderly, are routinely served. These clinical/practice training sites (including schools, hospitals, pharmacies, and other university sites) routinely require criminal background checks for all students who engage in clinical activities. Therefore, background checks shall be required on all applicants to programs in the College of Health Sciences prior to admission into their prospective program.

Students applying for admission into the nursing major component of our BSN Program and our MS Program and Certificate Program (post-master’s) will be notified by the FWWSON at the time of any admission offer the process for completing the required background check. Previous background checks (e.g. CNA Certification, LPN or RN Licensure) are not acceptable to fulfill this expectation. The results of the background check may determine final admittance to our program.

You may also be required to update your criminal background check. Each clinical training site will be informed that you have passed a background check (if you have) prior to your placement at that site; some sites may require a more current background check. Clinical agencies may bar a student access to their facility for clinical experiences based on the results of the background check. If faculty and staff are not able to place the student in an alternative setting, the student will not be able to complete the program. In addition, students seeking readmission into the program are required to complete a new background check. Students are responsible for the costs associated with the admission background check and any other background checks that may be required.

Drug Screening Requirements

Drug screening may be required by some clinical training sites. Students will be notified by the FWWSON should this be an expectation of them. Students may incur charges for this screening and will be notified of such at that time.

Cost of the Program

University fees, testing fees, and special supplies are paid for by students of nursing. Varieties of clinical facilities in and out of state are used in the practical application of learning. Responsibility for travel arrangements to the clinical areas rests with the student.

Bachelor’s of Science in Nursing (BSN) Program

The Fay W. Whitney School of Nursing provides a curriculum based on the solid foundation of a general studies program. University students are individuals who come with learning preferences, different experiences, varied goals, and therefore, have unique learning needs. The primary responsibility of faculty is to empower students to become self-directed learners. Active learning is a teaching/learning partnership.

Undergraduate Program Outcomes - BSN Program

1. Synthesize knowledge from the arts and sciences in the practice of professional nursing.
2. Demonstrate leadership by application of quality improvement processes in the provision of safe client care across the lifespan.
3. Demonstrate evidence based practice in the care of clients, families, and communities.
4. Manage data, information, and technology to inform and guide nursing practice.
5. Engage in political and regulatory processes relevant to health care systems and the provision of safe care.
6. Collaborate with the interprofessional team in the delivery of evidence-based client-centered care.
7. Use health promotion, disease prevention, and risk reduction strategies in caring for clients, families, and communities.
8. Demonstrate behaviors that reflect the nursing code of ethics, professional and legal standards, and the values of nursing as a caring profession.

Graduates receive the Bachelor of Science in Nursing (BSN) degree, and upon successful completion of the licensure examination, are eligible to practice as registered nurses. Completion of the baccalaureate degree is a requirement for admission to graduate study leading to advanced nursing practice.

Bachelor of Science in Nursing (BSN) Program Scholastic Requirements

University and College of Health Sciences policies governing scholastic requirements, including major changes, probation and dismissal, apply to students enrolled in the School of Nursing. In addition to university/college requirements, the School of Nursing has the following scholastic requirements:

1. Grade of at least a C in all required courses.
2. Prerequisites must be met with C or better prior to entering each nursing course.
3. A cumulative Nursing G.P.A. (NGPA) of 2.75 (Basic BSN & BRAND) or 2.50 (RN/BSN) based on required courses is the minimum required for admission to the nursing major.
4. Students must attain a 2.00 (C) or $ in each nursing course, as well as a cumulative Nursing G.P.A. (NGPA) of 2.75 (Basic BSN & BRAND) or 2.50 (RN/BSN) based on required courses to progress.
5. Single prerequisite, requisite, core, or nursing major course may not be repeated more than once.
6. Total of four prerequisite, requisite, or core courses may be repeated.
7. Total of two nursing courses in the major may be repeated.

Bachelor’s of Science in Nursing (BSN) Program Options

The Fay W. Whitney School of Nursing offers a baccalaureate program with three options to obtain the BSN degree:

1. Basic BSN – a basic, entry-level BSN option for the student wishing to become a registered nurse at the baccalaureate level.
Nursing

2. Bachelor’s Reach for Accelerated Nursing Degree (BRAND) – an accelerated BSN option for the student who has already achieved a previous non-nursing baccalaureate degree and wishes to become a registered nurse at the baccalaureate level.

3. RN/BSN Completion – a BSN completion option for the registered nurse who wishes to become a baccalaureate prepared nurse.

Please refer to the appropriate program option section that follows below.

RNAs with a non-nursing baccalaureate degree – for the student whose ultimate educational goal is to earn a master’s degree in nursing, it is not required that a baccalaureate degree in nursing be earned prior to applying to the graduate program. There are two required bridge courses (NURS 3010 and NURS 3020) that must be completed prior to beginning nursing graduate coursework. There is no guarantee of admission. Further information related to this option can be found within our Graduate Study section following the BSN Program section.

Basic BSN

This option is an on-campus, basic, entry-level BSN option for students who are interested in becoming a registered nurse.

Second baccalaureate degree seeking students have the option of pursuing Basic BSN or BRAND (see information under that heading).

Admission

Students who meet university requirements are admitted to the university. Graduates of fully accredited high schools may declare the pre-nursing component of the Basic BS

Program Scholaric Requirements.

Students typically apply for admission to the nursing major component in the spring of their sophomore year (spring in which completing their final prerequisite courses). Complete application packets to the nursing major component of this option must be received by the Fay W. Whitney School of Nursing no later than February 1 for fall admission (postmarks do not meet the application deadline). Students applying for admission to the nursing major must be certified as a nursing assistant (CNA). (LPN licensure will also satisfy this requirement). Verification of active certification/licensure is required by application deadline. An application without evidence of current CNA certification will not be considered. The number of students admitted to the nursing major is limited. Admission is a competitive process and applicants meeting minimum requirements are not guaranteed admission to the major.

Criteria for admission to the nursing major component of the Basic BSN as well as application materials can be found on our nursing website, http://www.uwyo.edu/nursing (click on Programs located within the top navigation bar; Basic BSN; Application Packet/Admission Criteria linked under the Getting Started heading).

Curriculum

The minimum requirement to graduate with a BSN is 120 semester hours of credit. Evaluation of transfer courses is required to determine credit eligibility.

The required courses, PHCY 4450 (Pathophysiology) and PHCY 4470 (Pharmacology), must be upper division (3000/4000 level). Lower division/Community College level courses do not satisfy this requirement. Transfer courses must be reviewed for acceptability.

Nursing courses are offered fall and spring semesters of the university academic calendar. Students are required to have transportation to all clinical sites. A number of clinical sites are located in Cheyenne. The capstone practicum experience during spring of the senior year will require students to live in locations away from campus.

Basic BSN Course Sequence

(Active CNA certification required for application/admission to Nursing Major Component; verification required by application deadline.)

Pre-Nursing Component

Prerequisite Courses

(Courses required for admission to the nursing major component)

| Hrs. |
|-----------------|---|
| ENGL 1010 (WA) | 3 |
| Approved (WB) course | (recommend taking a WB/CH course) | 3 |
| MATH 1400 (QA) | 3 |
| STAT 2050 or 2070 (QB) | 4 |
| LIFE 1010 (SB) | 4 |
| CHEM 1000 or 1020 (SP) | 4 |
| KIN 2040 (SB) | 3 |
| KIN 2041 (SB) | 1 |
| KIN/2041 ZOO 3115 | 4 |
| PHCY 4450 | 4 |
| MOLB 2240 | 5 |
| PSYC 1000 (CS) | 3 |
| SOC 1000 (CS) or 1100 (CS) or ANTH 1200 (CS/G) | 3 |
| FCSC 1140 or 1141 | 2 |
| NURS 2340 or EDST 2450 | 3 |
| Total Hrs. | 49-50 |

Required USP/Graduation Courses

(Additional USP and FWWSON degree requirements needed for graduation. Unless otherwise noted, these requirements may not be met with any of our specified prerequisite, requisite, and/or nursing major component courses. Recommend completing prior to admission, but must be completed by graduation.)

| Hrs. |
|-----------------|---|
| NURS 1000 (I/L) | 1 |
| Approved (CA) course | 3 |
| Approved (CH) course (if not met by WB/CH course) | 3 |
| Approved (G) course (if not met by ANTH 1200) | 3 |
| COJO 1010 (O) | 3 |
| PEAC 1001 (P) | 1 |
| Approved (Y) course | 3 |
| Upper Division Elective (any 3000/4000 level course) | 3 |
| Total Hrs. | 13-20 |

Nursing Major Component

(63 credits)

(Nursing application/fee required)

JUNIOR YEAR: Fall

| Hrs. |
|-----------------|---|
| NURS 3125 | 3 |
| NURS 3140 | 3 |
| NURS 3440 | 3 |
| NURS 3475 | 4 |
| PHCY 4470 | 4 |
| Total Hrs. | 17 |
The minimum requirement for the second bachelor's (SB) degree candidate to graduate with a BSN is 50 semester hours of credit. This curriculum option totals 58 credit hours.

The minimum requirement for a SB degree is 30 additional semester hours earned from UW, 12 of which must be in upper division level courses. If prior baccalaureate degree was earned through UW, the 30 credit minimum is in addition to the credits earned for previous degree. Evaluation of transfer courses is required to determine credit eligibility.

The required courses, PHCY 4450 (Pathophysiology) and PHCY 4470 (Pharmacology), must be upper division (3000/4000 level). Lower division/Community College level courses do not satisfy this requirement. Transfer courses must be reviewed for acceptability.

**BRAND Course Sequence**

**Pre-Nursing Component**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 2050 or 2070</td>
<td>4</td>
</tr>
<tr>
<td>KIN 2040</td>
<td>3</td>
</tr>
<tr>
<td>KIN/ZOO 3115</td>
<td>4</td>
</tr>
<tr>
<td>MOLB 2240</td>
<td>5</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>3</td>
</tr>
<tr>
<td>FCSC 1140 or 1141</td>
<td>2-3</td>
</tr>
</tbody>
</table>

**Total Hrs.**: 22-23

(Students will have completed a baccalaureate degree. Therefore the purpose and intent of the University's USP general education requirements will be satisfied.)

**Required Graduation Course**

(Recommend completing prior to admission, but must be completed by graduation.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved US/WY Constitution course</td>
<td>3</td>
</tr>
</tbody>
</table>

(Students who have completed an acceptable, transferable US Constitution course only have to complete the remaining WY Constitution component as required by UW. The WY Constitution component may be satisfied through the 1 credit exam or course.)

**Total Hrs.**: 3

**RN/BSN Completion**

This option is for the associate degree or diploma in nursing level registered nurse or the Wyoming associate degree nursing student who wishes to become a baccalaureate prepared nurse. Nursing theory courses are offered online. No on-campus time is required.

**Admission**

Students who meet university requirements are admitted to the University (declared NUBS major) in the pre-nursing component of the RN/BSN Completion. Students are designated as pre-nursing until they have completed the RN/BSN application process and are formally admitted into the School of Nursing. Acceptance into the RN/BSN Completion is also based on evaluation of students' academic work with consideration of the School of Nursing BSN Program Scholastic Requirements.

The opportunity exists for students who are currently enrolled in a Wyoming associate degree nursing program to pursue dual admission to RN/BSN Completion.
Curriculum

The minimum requirement to graduate with a BSN is 120 semester hours of credit. Additional University Studies (USP) courses are required to complete the degree and can be taken any time before graduation. It is important for students to be aware of course prerequisites for individual nursing courses and to be in regular contact with a nursing advisor. Evaluation of transfer courses is required to determine credit eligibility.

The required courses, PHCY 4450 (Pathophysiology) and PHCY 4470 (Pharmacology), must be upper division (3000/4000 level). Lower division/Community College level courses do not satisfy this requirement. Transfer courses must be reviewed for acceptability.

RN/BSN Completion Course Sequence

(Documentation of a current active unencumbered RN license must be on file with the School of Nursing throughout participation in the program)

Pre-Nursing Component

Core Courses

(Students are encouraged to complete these courses before taking courses in the nursing major component.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 2050 or 2070 (QB)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1000 (CS)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 1200 (CS/G) or SOC 1000 (CS) or 1100 (CS)</td>
<td>3</td>
</tr>
<tr>
<td>KIN 2040 (SB)</td>
<td>3</td>
</tr>
<tr>
<td>KIN 2041 (SB)</td>
<td>1</td>
</tr>
<tr>
<td>KIN/ZOO 3115</td>
<td>4</td>
</tr>
<tr>
<td>MOLB 2021</td>
<td>4</td>
</tr>
<tr>
<td>PHCY 4450 (Online UW)</td>
<td>4</td>
</tr>
<tr>
<td>PHCY 4470 (Online UW)</td>
<td>4</td>
</tr>
<tr>
<td>NURS 3010</td>
<td>3</td>
</tr>
<tr>
<td>Total Hrs.</td>
<td>33</td>
</tr>
</tbody>
</table>

Required USP Courses

(Additional USP degree requirements needed for graduation. Unless otherwise noted, these requirements may not be met with any of our specified core and/or nursing major component courses.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved (CA) course</td>
<td></td>
</tr>
<tr>
<td>Approved (CH) course</td>
<td></td>
</tr>
<tr>
<td>Approved (G) course (if not met by ANTH 1200)</td>
<td>3</td>
</tr>
<tr>
<td>COJO 1010 (O)</td>
<td>3</td>
</tr>
<tr>
<td>Approved (QA) course</td>
<td></td>
</tr>
<tr>
<td>Approved (S, SB, SP, SE) course</td>
<td>3-4</td>
</tr>
<tr>
<td>Approved (V) course</td>
<td></td>
</tr>
<tr>
<td>Approved (WA) course</td>
<td></td>
</tr>
<tr>
<td>Approved (WB) course</td>
<td></td>
</tr>
<tr>
<td>Total Hrs.</td>
<td>28</td>
</tr>
</tbody>
</table>

Nursing Major Component

(22 credits)

(Students must be formally admitted to the nursing major component to take these courses.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3020 (D-effective S2005 forward)</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3040</td>
<td>2</td>
</tr>
<tr>
<td>NURS 3630 (P)</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4055 (L)</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4255 (WC)</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4355</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4975</td>
<td>3</td>
</tr>
<tr>
<td>Total Hrs.</td>
<td>22</td>
</tr>
</tbody>
</table>

Escrow Courses

(Credits are automatically posted to the student’s UW transcript upon completion of NURS 3630, documentation of RN licensure and transcript verifying graduation from an associate degree or diploma nursing program. These credits represent for nursing content learned in the associate degree or diploma in nursing program.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3440</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3475</td>
<td>4</td>
</tr>
<tr>
<td>NURS 3840</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3842</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3844</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3875</td>
<td>4</td>
</tr>
<tr>
<td>NURS 4442</td>
<td>4</td>
</tr>
<tr>
<td>Total Hrs.</td>
<td>24</td>
</tr>
</tbody>
</table>

Minimum Hours Required for the Degree

120

(Residency Requirement: A minimum of 30 upper-division hours must be completed through UW)

(Not: Course requirements/expectations are subject to change. Maintain contact with FWWSON for current expectations.)

Graduate Study

The Fay W. Whitney School of Nursing offers a graduate program leading to a master of science (M.S.) degree. There are two program options: Nurse Practitioner (Family Nurse Practitioner and Psychiatric Mental Health Nurse Practitioner) and Nurse Educator.

RNs with a non-nursing baccalaureate degree – for the student whose ultimate educational goal is to earn a master’s degree in nursing, it is not required that a baccalaureate degree in nursing be earned prior to applying to the graduate program. There are two required bridge courses (NURS 3010 and NURS 3020) that must be completed prior to beginning nursing graduate coursework. There is no guarantee of admission. The bachelor’s degree must be from an accredited – Council on Higher Education or equivalent - institution; the nursing degree must be from a CCNE or NLNAC accredited program.

Certificate programs are available for RNs who have a master’s degree in nursing who wish to become either Nurse Practitioners (FMNP or PMHN) or Nurse Educators (NSED). The certificate programs (FMNP, PMHN, or NSED). The NP certificate programs (FMNP and PMHN) lead to eligibility to take the certifying examination.
Graduate Program Outcomes - MS Program

The outcomes of the graduate program are to:
1. Practice advanced nursing with special emphasis in rural health.
2. Synthesize knowledge for the practice of nursing.
3. Provide leadership to improve health in rural communities

Program Specific Graduate Assistantships

Assistantships are available in the School of Nursing involving duties such as clinical teaching, online teaching, and/or research functions. Assistantships include tuition and fee reductions for all or part of the tuition costs, and a monthly stipend. Incidental students fees are usually the student's responsibility. Student Health Insurance is part of the fee structure paid for by the department. Students should contact the department at the time of application to inquire about the availability of an assistantship. All assistantship applications should be received by April 1. Notification will be made by May 1.

Admission

Complete application packets must be received by the Fay W. Whitney School of Nursing no later than February 1 to be considered for summer admission (NP option) or fall admission (NE option). (Postmarks by the deadline are not considered as meeting the deadline.) The applicant is responsible to make certain that our office is in receipt of all application materials/fees. Applications completed after the specified deadline will be held and reviewed for the next admission consideration. The number of students admitted is limited. Admission is a competitive process and applicants meeting minimum requirements are not guaranteed admission to the program. Admission to the university does not guarantee admission to a specific option in the School of Nursing.

Criteria for admission as well as application materials can be found on our nursing website, http://www.uwyo.edu/nursing (click on Programs located within the top navigation bar; Graduate/Post-Grad; Application Packet/Admission Criteria and Process linked under Getting Started heading).

All new admits are required to come to campus for a fall orientation. This expectation is applicable for all of our MS Program and Certificate Program options.

Graduate Core Curriculum

The graduate curriculum consists of a group of five core courses which provide a foundation of advanced knowledge for rural nursing.

Core Courses

- NURS 5010
- NURS 5025
- NURS 5026
- NURS 5060
- NURS 5500

Total Hrs. 15

Nurse Practitioner

The Nurse Practitioner (NP) option has two concentrations: family nurse practitioner (FNP/FMNP) and psychiatric mental health nurse practitioner (PMH/PMHN). Please refer to the appropriate section below to obtain specific details related to the NP option you are interested in for obtaining the MS degree or post-master's certificate.

Curriculum

In addition the core courses; a group of specialty courses are required for each NP option as identified in the appropriate course sequence below. Students earning the MS degree will complete a research/portfolio project which is integrated into their course requirements.

Family Nurse Practitioner (FNP/FMNP)

The FNP/FMNP concentration prepares advanced practice nurses to provide primary health care to diverse individuals and their families in a variety of settings, especially rural settings. Graduates are prepared to diagnose and treat common acute problems, such as infections and injuries, and common chronic illnesses, such as diabetes and hypertension. Graduates work in a variety of settings including physician offices, public health clinics, independent nurse practitioner practices, indigent clinics, emergency rooms, Indian Health Services, correctional facilities, and migrant clinics.

FNP Course Sequence

(Total Credits: 49)

Advanced Practice Nursing Courses

(These courses must not be taken prior to admission)

- NURS 5006
- NURS 5140
- NURS 5165

Total Hrs. 12

Family NP Specialty Courses

- NURS 5111
- NURS 5112
- NURS 5120
- NURS 5130
- NURS 5300

Total Hrs. 22

Certificate Program (post-master's) (FMNP) course requirements:

(Total Credits: 43)

Core Courses

- NURS 5010, 5060, and 5500

Advanced Practice Nursing Courses

- NURS 5006, 5140, and 5165

Family NP Specialty Courses

- NURS 5111, 5120, 5130, and 5300

(Note: Course requirements/expectations are subject to change. Maintain contact with FWWSON for current expectations.)

Psychiatric Mental Health Nurse Practitioner (PMH/PMHN)

The PMH/PMHN concentration prepares advanced practice nurses to provide a full range of psychiatric care. Graduates are prepared to assess, diagnose, and manage, to include prescribing psychotropic medications, people with chronic and acute psychiatric disorders. Graduates work in a variety of settings including inpatient and outpatient facilities such as hospitals; community-based or home care centers; local, state, and federal mental health agencies; long-term care facilities; private practices; substance abuse and detoxification programs; emergency psychiatric service centers; primary care offices; correctional facilities, home health agencies; and behavioral health care companies.

Core Courses

- NURS 5111
- NURS 5120
- NURS 5130
- NURS 5300

Total Hrs. 42
PMH Course Sequence  
(Total Credits: 52)

Advanced Practice Nursing Courses  
(These courses must not be taken prior to admission)
NURS 5006...........................................4  
NURS 5140...........................................4  
NURS 5165...........................................4  

Total Hrs. 12

Psychiatric NP Specialty Courses
NURS 5111...........................................3  
NURS 5112...........................................3  
NURS 5660...........................................4  
NURS 5660...........................................3  
NURS 5661...........................................3  
NURS 5662...........................................3  
NURS 5670...........................................1  
NURS 5671...........................................2  
NURS 5672...........................................2  
NURS 5300...........................................4  

Total Hrs. 25

Certificate Program (post-master's) (PMHN) course requirements:

Core Courses
NURS 5010, 5060, and 5500

Advanced Practice Nursing Courses
NURS 5006, 5140, and 5165

Psychiatric NP Specialty Courses
NURS 5111, 5120, 5660, 5661, 5662, 5670, 5671, 5672, and 5300

(Note: Course requirements/expectations are subject to change. Maintain contact with FWWSON for current expectations.)

Nurse Educator (NE/NSED)

The NE/NSED option prepares you to teach in undergraduate nursing education programs and in health care continuing education settings. The graduate meets the Wyoming State Board of Nursing’s minimum educational requirements for teaching in State of Wyoming accredited nursing programs.

Curriculum

In addition to the core courses; a group of specialty courses are required for the NE/NSED options as identified in the course sequence below. Students earning the MS degree will complete a research/portfolio project which is integrated into their course requirements.

NE Course Sequence  
(Total Credits: 36)

Educator Specialty Courses
NURS 5280...........................................3  
NURS 5285...........................................3  
NURS 5290...........................................3  
NURS 5395...........................................3  
ADED 5050...........................................3  
ITEC 5160...........................................3  

Total Hrs. 18

Electives (3 credits minimum)
Select one 3-credit (minimum) course which would supplement your need or interest (or meet your state’s requirements). Courses in Adult Education & Technology are recommended.

Certificate Program (post-master's) (NSED) course requirements:

Educator Specialty Courses
NURS 5280, 5285, 5290, and 5395; ADED 5050; ITEC 5160

(Note: Course requirements/expectations are subject to change. Maintain contact with FWWSON for current expectations.)

Nursing (NURS)

Courses listed below, with the exception of NURS 2110, 2135, 2240, 2340, 3250, 4155, 4175, 4350, 4960, and 4980 are open only to students formally admitted into the nursing major component of the BSN Program as required of their specific option. NURS 1000 is open to students who are majoring in nursing.

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M2•QB]).

1000. Introduction to the Intellectual Community in Nursing. 1. [F1•I, I] Introduces first-year students to the intellectual expectations of the university, promotes successful transition to higher education, and explores issues in professional nursing. Designed to introduce and reaffirm skills for academic success including critical thinking, information literacy, and the concept of “life-long learner” within the context of professional nursing. (Normally offered fall semester)

2110. Fundamentals of Aging and Human Development. 3. [C2•(none)] Discusses aging as lifelong process, involving inter-relationships of the individual and his or her environment. Includes future demographic trends, family health care, social policy and mass media. Cross listed with FCSC 2110. (Normally offered fall semester)

2135. Women and Aging. 3. [C2•(none)] Focuses on women and the aging process with emphasis given to both the problems and promises of aging. Topics to be explored within a multicultural, sociological framework include the definition of self, relationships, community, health and health care, work and service, retirement, economic realities and new perspectives on aging. Cross listed with WMST 2135. Prerequisites: ENGL/SOC/WMST 1080 or SOC 1000 or FCSC/NURS 2110 or SOC 2120.

2240. Medical Terminology. 3. Introduces medical terminology. Includes word structure of medical-surgical terms, body parts and organs, body systems and commonly used medical abbreviations.

2340. Developmental Influences on Health. 3. [C2•(none)] Explores interaction between development and health. Discusses human development of physiological, psychological, cognitive, sociocultural, and spiritual systems across the lifespan. Identifies selected theories associated development over the lifespan and implications for health care. Provides foundation for more in-depth consideration of developmental factors related to health maintenance and human potential.

3010. Introduction to Higher Education in Nursing. 3. Explores salient professional nursing concepts including cultural, ethical and legal influences on practice, theoretical foundations of nursing practice, nursing leadership and nurses’ contribution to the health of the public. Prerequisites: current RN license or concurrent enrollment in WY ADN education program. (Normally offered fall semester)

3020. Cultural Diversity in Family Health Care. 3. [(none)•D] Concepts of cultural heritage, history, diversity, health, illness, and family theories are applied to nursing assessment and care of the family as client. Contemporary issues of immigration and poverty, the effect of culture, social class, religion/spirituality, family form, family development stage and situational factors on family as client are studied. Prerequisites: admission into the nursing major component of the program; RN/BSN: NURS 3010 or concurrent enrollment. (Normally offered spring semester)
3040. Health Assessment of Individuals Across the Life Span. 2. Assesses physiological, psychological, socio-cultural and developmental variables of individual client systems across the lifespan. Normal variations and potential problems of human health experiences are identified using critical thinking. History taking and documentation of analytic findings are developed. Prerequisite: admission into the nursing major component of the program; RN/BSN: NURS 3010 or concurrent enrollment. (Normally offered fall semester)

3047. Health Assessment Lab. 1. Develops assessment skills of physical, psychological, sociocultural, spiritual, and developmental dimensions of the human health experience. Normal variations and potential problems of human health experiences are identified using critical thinking. History taking and documentation skills are developed. Offered S/U only. Prerequisite: NURS 3040 or concurrent enrollment.

3125. Professional Nursing. 3. Introduction of core concepts, theory and processes essential to professional nursing. Roles and scope of practice of the professional nurse, principles of therapeutic communication, patient safety, nursing theory and process, and evidence based practice will be emphasized. Prerequisite: admission to the nursing major component of the program.

3140. Health Assessment. 3. Students learn to assess the physiological, psychological, sociocultural and developmental variables of individual client systems across the lifespan. Normal variations and potential problems of human health experiences are identified. Documentation skills are developed. Prerequisite: admission to the nursing major component of the program.

3150. Professional Roles: Carer/Helper, Counselor and Advocate. 3. Introduces students to core concepts and processes related to professional nursing practice with a special focus on the roles of carer/helper, counselor, and advocate. Mutuality of the nurse-client relationship, therapeutic communication, and social advocacy are applied to the human health experience. Prerequisite: admission into the nursing major component of the program.

3250. Health Psychology. 3. Provides overview of growing partnership between psychology and health care, including history of psychology in health care; theoretical foundations of health and illness; intervention and research techniques; stress and high risk behaviors (e.g., substance abuse, eating behaviors, AIDS); psychology’s contribution to improving outcomes and quality of life in chronic and life-threatening behaviors. Cross listed with PSYC 3250. Prerequisite: PSYC 1000 or consent of instructor.

3440. Adult Health I. 3. Students consider the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adult clients during wellness and illness. Focus is on cardio-pulmonary, genitourinary, integumentary and endocrine systems. Other topics include genetics, drug therapy, safety, and infection control. Students will incorporate the professional nursing role into planning care. Prerequisite: admission into the nursing major component of the program; NURS 3040, 3047, 3150, PHCY 4470 or concurrent enrollment.

3475. Nursing Practicum: Adult Health I. 4. Students provide basic nursing care using the nursing process in a clinical setting with adult clients experiencing alterations in health status. The focus is on the physiological, psychological, spiritual, developmental and sociocultural dimensions of the client. The students will identify the roles of the professional nurse. Prerequisites: NURS 3440 or concurrent enrollment.

3630. Health Promotion. 4. ([none]) P Integrating nurse roles, prepares students to use the nursing process to promote or protect the health of clients across the lifespan. Focus is on the physiological, psychological, spiritual, developmental, and socio-cultural dimensions of clients or client groups. Prerequisite: admission into the nursing major component of the program; NURS 3010, 3020, and 3040 or concurrent enrollment.

3710. Nursing Fundamentals and Laboratory. 3. Using system analysis, students assess all dimensions of individuals across lifespan. Concepts of basic care and comfort; technical skills; use of equipment; asepsis; medication administration; nurse and client safety; and client rights. Allows student to gain confidence and competency in performing motor skills; critical thinking; communication; self-development. Prerequisites: previous Bachelor’s degree; admission to the Accelerated track; NURS 3750; 3730; 3710; 3715; PHCY 4470 or concurrent enrollment.

3771. Nursing Care in Acute and Chronic Illness Practicum. 6. Application of nursing process and evidence-based nursing practice with adults experiencing acute and chronic physical and psychiatric health alterations; progressing to the provision of nursing care for clients experiencing complex acute and chronic alterations. Focus is on physiological, psychological, spiritual, developmental and socio-cultural dimensions of adult clients. Prerequisites: admission to the Accelerated track; NURS 3750; 3730; 3710; 3715; PHCY 4470 or concurrent enrollment.

3770. Nursing Care in Acute and Chronic Illness. 6. Use of the nursing process and evidence-based nursing practice with adults experiencing acute and chronic physical and psychiatric health alterations; progressing to the provision of nursing care for clients experiencing complex acute and chronic alterations. Focus is on physiological, psychological, spiritual, developmental and socio-cultural dimensions of adult clients. Prerequisites: admission to the Accelerated track; NURS 3750; 3730; 3710; 3715; PHCY 4470 or concurrent enrollment.

3771. Nursing Care in Acute and Chronic Illness Practicum. 6. Application of nursing process and evidence-based nursing practice with adults experiencing acute and chronic physical health alterations; progressing to the provision of nursing care for clients experiencing complex acute and chronic alterations. Focus is on physiological, spiritual, developmental and socio-cultural dimensions of adult clients. Offered satisfactory/unsatisfactory only. Prerequisites: concurrent enrollment in NURS 3770.
3840. Adult Health II. 3. Junior students integrate the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing care during wellness and illness. Focus is on the physiological, gastrointestinal, musculoskeletal systems and genetics, diagnostics and pre-operative care. Students learn the professional nursing role in planning care of the adult client. Prerequisites: NURS 3440 and 3475; NURS 3020 or concurrent enrollment.

3842. Care of the Older Adult. 3. Explores the physiological, psychological, spiritual, developmental and socio-cultural dimensions of the older adult and addresses the 30 AACN/Hartford Foundations’ Recommended Baccalaureate Competencies and Curricular Guidelines for Geriatric Nursing Care. Prerequisites: NURS 3440 and 3475; NURS 3020 or concurrent enrollment.

3844. Mental Health and Illness. 3. Explores psychiatric illnesses and mental health concepts consistent with the roles of the professional nurse. Emphasis is on the nursing process, DSM-IV criteria, therapeutic communication, treatment modalities, legal and ethical concerns, community resources, and inter-related client needs in a variety of health care settings. Prerequisites: NURS 3440 and 3475; NURS 3020 or concurrent enrollment.

3875. Nursing Practicum: Adult Health II. 4. Junior nursing students are placed in clinical settings to provide patient-centered nursing care using the nursing process. The focus is on adult clients experiencing acute, chronic and/or psychiatric alterations in health. The physiological, psychological, spiritual, developmental and socio-cultural client dimensions are studied and professional nursing roles are integrated into practice. Prerequisites: NURS 3840, 3842, 3844 or concurrent enrollment.

3970. Nursing Externship. 3. Allows students to obtain college credit for nursing experience gained in an approved setting. Increases application of nursing theory, knowledge of a health care agency, interpersonal working relationships, technical skills and organization of time in providing nursing care. Offered S/U only. Prerequisites: NURS 3840, 3842, 3844, and 3875. (Offered once a year in summer)

4055. Evidence-Based Nursing Practice for the RN. 3. [none]|W|L] Prepares RN students to engage in evidence-based nursing, specifically how to ask meaningful clinical questions, find relevant evidence, critically appraise evidence, and integrate best evidence with clinical expertise and patient/community values. Prerequisites: STAT 2050 or 2070 or equivalent; admission into the nursing major component of the program; NURS 3630 or concurrent enrollment; current RN license.

4125. Evidence-Based Nursing. 3. Prepares students to engage in evidence-based nursing, specifically how to ask meaningful clinical questions, find relevant evidence, critically appraise evidence, and integrate best evidence with clinical expertise and patient/community values. Prerequisites: WA and WB; STAT 2050 or 2070 or equivalent; admission into the nursing major component of the program.

4150. Professional Roles: Researcher. 3. [M3|L, WC] The development of the role of the nurse as a consumer of research. In this role, the student applies scientific methods and health information literacy skills to make critical judgments about improving practice and modifying nursing care. Prerequisites: STAT 2050 or 2070 or equivalent; Admission into the nursing major component of the program; RN/BSN: NURS 3630 or concurrent enrollment, current RN license. (Normally offered fall semester)

4155 [4920, 4950]. Women, War and Health. 3. [C2, G1|CS, G] Focuses on the physical and psychological health of women and children as influenced by armed conflict. Examines the psychosocial, public health, and socioeconomic effects of living in contemporary war zones or conditions of threatened war. Key international documents that address effects upon women and children are discussed in order to evaluate feminist initiatives to prevent and mediate the consequences of war. Cross listed with INST/WMST 4155. (Offered every other year)

4175 [4940]. Gender, Women, and Health. 3. [G1, C2|CS, G] Focuses on issues of gender, women and health, including the effects of gender bias in medical research and health care practices and policies. Health care issues of specific concern to women, both nationally and internationally will be examined. Dual listed with NURS 5175. Cross listed with INST/WMST 4175. Prerequisite: upper-division standing, lower division social or psychological science course. (Offered every other year)

4250. Professional Roles: Leader. 3. [W3|none] The role of leader in nursing practice is developed through the integration of leadership, management, and organizational theories. Emphasis is placed on the nurse as health care provider and manager of care facilitating planned change in clients and/or environments. Prerequisites: USP WA and WB; admission into the nursing major component of the program; RN/BSN: NURS 3630 or concurrent enrollment, current RN license.

4255. Nursing Leadership. 3. [none]|WC|W] Students study the concepts and theories of leadership, management, and organizations. Emphasis is placed on the nurse as health care provider and the development of leading, managing, decision-making, problem-solving, and writing in nursing skills. Course content includes controlling the profession, legal and ethical aspects, informatics, and professional development. Prerequisites: WA and WB: Admission into NURS Major component of program; NURS 3630 or concurrent enrollment, current RN license.

4350. Health Management Issues in Early Education. 3. Provides the student the opportunity to examine the implications of a child’s health status on his/her personal, educational, social and cognitive development. Provides personnel working closely with the young child with disabilities and his/her family an understanding of the issues related to health concerns and a framework for intervention planning. Special emphasis is placed on concerns specific to the child in a day care, preschool or other school setting. Cross listed with EDEC/FCSC 4350. Prerequisites: junior standing and consent of instructor.

4355. Public/Community Health Nursing. 3. Students are introduced to public health nursing, the core functions and essential services of public health, and community health nursing competencies. Includes population-focused nursing, epidemiology, community assessment, and the application of the nursing process to the community as client. Students assess their communities and research health problems. Prerequisites: admission into NURS Major component of program; NURS 3630 or concurrent enrollment and current RN license.

4440. Public Health Nursing. 4. Introduces the student to population-focused nursing and applies the nursing process to the community as client. Addresses core functions and essential services of public health. Focuses on epidemiology, community assessment, community planning and implementation, analysis of the health care system, emergency preparedness, and legal aspects of public health. Prerequisites: basic BSN; NURS 3875; NURS 4150 or concurrent enrollment. RN/BSN: admission into the nursing major component of the program; NURS 3630 or concurrent enrollment; current RN license.
4442. Nursing Care of Children and Families. 4. Theory course which encompasses the care of children and childbearing families including the physiological, psychological, spiritual, developmental and socio-cultural dimensions. The focus of this class is on obstetrical and pediatric nursing care. Integrates wellness and illness issues in all aspects of family care. Prerequisites: NURS 3875; NURS 4150 or Concurrent enrollment.

4475. Nursing Practicum: Family and Public Health. 4. In this senior clinical practicum, students apply the nursing process to childbearing families, children and communities. The focus is on the physiological, psychological, spiritual, developmental and socio-cultural dimensions of individuals, families and populations. Students will incorporate professional nursing roles into population centered care. Prerequisites: NURS 4440, 4442 or concurrent enrollment.

4710. Nursing Care of the Aging Family. 3. Utilizes nursing process to assess, promote, and protect health of aging families. Focus is on physiological, psychological, spiritual, developmental, socio-cultural dimensions of the geriatric adult, including family dynamics. Evidence-based practice guides illness and disease management; disease prevention. Expected, unexpected responses to therapies; grief, loss, end of life concepts will be incorporated. Prerequisites: senior standing; consent of instructor.

4735. Nursing Care of Vulnerable Populations. 3. Synthesizes past learning to develop increasingly independent nursing practice with at risk populations in community settings. Focuses not only on groups/aggregates but also on vulnerability conveyed by such factors as psychiatric illness. Core public health functions of community assessment, essential health services, disaster preparedness, health policy development/global health care emphasized. Prerequisites: NURS 4740; NURS 4741; concurrent enrollment in NURS 4736.

4736. Community Nursing Care of Vulnerable Populations Practicum. 3. Application of the nursing process in caring for vulnerable populations in the community. Apply the core public health functions of community assessment, assurance of essential health services, and health policy development. Emphasis is on using demographic and epidemiological data to plan population-based nursing interventions. Prerequisites: NURS 4740; NURS 4741 and concurrent enrollment in NURS 4735.

4740. Nursing Care of the Young Family. 6. Utilizes nursing process to assess, promote, and protect the health of young families as client. Focus is human sexuality and reproduction, family planning, pregnancy stages, neonatal, pediatrics. Growth and development, health promotion, disease prevention, family dynamics are included. Evidence-based nursing guides practice to promote a healthy family and family system. Prerequisites: NURS 3770; 3771; and concurrent enrollment in NURS 4741.

4741. Nursing Care of the Young Family Practicum. 3. Applies and synthesizes nursing process to assess, promote, and protect the health of young families as clients. Focus is human sexuality and reproduction, family planning, pregnancy stages, neonatal, pediatrics. Growth and development, health promotion, disease prevention, family dynamics are included. Evidence-based nursing guides practice to promote a healthy family/family system. Offered S/U only. Prerequisites: NURS 3770; NURS 3771; and concurrent enrollment in NURS 4740.

4750. Independent Study in Nursing. 1-4 (Max. 6). Provides students with opportunity to investigate a problem in nursing care not considered in required nursing courses or to explore in more depth an area considered in one of required nursing courses. Area of study and requirements for earning credit are determined in consultation with nursing faculty member. Prerequisite: senior standing in nursing or consent of instructor. Offered S/U only. (Normally offered fall, spring and summer)

4775. Professional Residency. 10. Provides opportunities to utilize and synthesize core concepts of professional nursing. Intensive clinical experience allowing students to become socialized into health care delivery system; gain in autonomy/confidence in performing skills; practice critical thinking in making ethical clinical decisions; develop leadership pin providing and coordinating evidence-based nursing care. Offered S/U only. Prerequisites: NURS 4710; NURS 4735; NURS 4736; and concurrent enrollment in NURS 4785.

4785. Nursing Integration. 2. Focuses on the continuing integration of previously learned concepts. The student further develops the role of consumer of research and incorporates leadership and management skills as a member of the profession. Prerequisites: NURS 4735; NURS 4736; NURS 4740; and concurrent enrollment in NURS 4775.

4790. Special Topics in Nursing. 1-3 (Max. 8). Provides offerings in selected nursing topics on concepts, theories or practices as related to specified areas in nursing. Prerequisites: junior standing in nursing and consent of instructor.

4792. Cultural and International Health Care Immersion. 3. An in-depth examination of cultural influences on health care systems, which will include both classroom and in-field immersion experiences. Prerequisites: senior or graduate standing in student’s major and instructor permission.

4875. Senior Residency. 12. A capstone clinical course to utilize and synthesize basic concepts of professional nursing. Socializes students into a health-care delivery system. Learning experiences allow students to gain confidence; practice critical thinking, leadership and ethical decision making in clinical situations. Individual needs and preferences are taken into consideration with student placements. Offered S/U only. Prerequisites: all required courses in the nursing major component of the program; NURS 4250 or concurrent enrollment; enrollment during final semester. (Normally offered spring semester)

4960. Women's Bodies, Women's Minds. 3. [C24 CS] Explores women’s physiologic and psychologic development and the influences of patriarchal society upon the interpretation of what constitutes normalcy across the female life cycle. Analyzes historical, cultural and contemporary attitudes of the health care system and women’s perspectives on menstruation, childbearing, breast-feeding and menopause. Cross listed with WMST 4960. (Normally offered spring semester)

4975. Professional Practicum: Community-Focused Nursing. 4. The RN/BSN capstone course provides opportunity for students to synthesize concepts of professional nursing. Students select relevant experiences to analyze elements of the public health care delivery system and access to care. Students apply nursing knowledge to address a health need in their community through a service learning project. S/U only. Prerequisites: all required courses in the nursing major; NURS 4150, 4250, 4440, or concurrent enrollment; current RN license.

4980. Nursing Ethics. 3. Acquaints the undergraduate or graduate nursing student with basic bioethical theory and issues that arise throughout the human lifespan. Includes use of community and professional resources to facilitate decision making where bioethical issues are encountered in nursing practice. Prerequisites: senior nursing student or RN; e-mail access with beginning computer skills; library research skills.
5005. Pediatric Assessment. 3. Online course builds upon basic nursing assessment skills. Includes advanced pediatric assessment techniques as well as family interviewing techniques that lead to clinical decision-making. Prerequisites: admission to Early Childhood Interdisciplinary Nursing Program; RN License.

5006. Advanced Health Assessment and Clinical Decision-Making. 4. Builds upon basic nursing assessment skills. Includes advanced assessment techniques, scientific and diagnostic reasoning, interviewing techniques that lead to clinical decision making. Advanced practice nurses use these skills in advanced practice roles. Prerequisite: admitted to UW’s graduate nursing program; NURS 5165 and NURS 5140; or permission from NP program coordinator.

5010. Health and Health Care in Rural Cultures. 3. Examines the patterns and health care of people of rural cultures for the purpose of adapting knowledge and health care models to the rural life-style and needs. Special attention is focused on development of culturally congruent self-care and professional primary care methods and on appropriate nursing roles. Prerequisite: admitted to UW’s graduate nursing program; or consent of instructor (required form on nursing web page).

5025. Application of Theory in Advanced Nursing Practice. 3. Emphasizes critical analysis of theory and the use of theory as a base for nursing practice. Theory analysis and evaluation are used to develop theory-based practice and the interrelationships among theory, research and practice in the development of nursing knowledge are examined. Prerequisite: admitted to UW’s graduate nursing program or consent of instructor (required form on nursing web page).

5026. Application of Research in Advanced Nursing Practice. 3. Prepares the advanced practice nurse for critical analysis of knowledge and implementation of research in health care and educational settings. Emphasizing qualitative and quantitative research traditions, it examines and critiques a variety of research methods and designs with regard to their applicability to clinical problems. Prerequisite: admitted to UW’s graduate nursing program; NURS 5025; statistics course; or consent of instructor, (required form on nursing web page).

5060. Epidemiology In Rural Health Care. 3. Presents the basic principles of epidemiology. Includes an overview of the purposes and methods of epidemiology including selected biostatistics. Consideration is given to sources of epidemiological data and epidemiological strategies. Special consideration is given to the epidemiology of rural health. Prerequisite: baccalaureate degree.

5090. Curriculum and Evaluation in Nursing Education. 3. Designed for nurses preparing for the teaching role in institutions of higher learning or health care. Focus is on analysis of curriculum process and culminates in the design of a model for teaching nursing in a selected area of interest. Prerequisite: admitted to UW’s graduate nursing program; NURS 5010, 5025, 5026, and ADED 5050; one of the following courses: ADED 5240 or 5260 or ITEC 5160 or concurrent enrollment (required form on nursing web page).

5105. Child Care Health Consultation. 3. Topics include consultation skills, children’s mental health, child care health and safety, child abuse and neglect, nutrition, injury prevention, oral health, caring for ill children in child care settings, working with children with special needs, issues of diversity, model child care health policies, and injury prevention. Cross listed with FCSC 5105. Prerequisite: graduate standing.

5111. Advanced Primary Care: The Young Family. 3. Expands upon the student’s basic assessment skills while stressing management strategies for the health promotion/maintenance needs of young families in rural areas. Prerequisite: NURS 5006.

5112. Advanced Primary Care: The Mature Family. 3. Expands upon the student’s basic assessment skills while stressing management strategies for the health promotion/maintenance needs of maturing families and individuals in rural areas. Prerequisite: NURS 5006 and concurrent enrollment in NURS 5111.

5115. Interdisciplinary Early Childhood Seminar. 3. Advanced professional course for students interested in current trends and issues in early childhood development. Interdisciplinary in nature, drawing from research in communication disorders, kinesiology and health, elementary and early childhood education and special education, child and family studies, nursing and psychology. Cross listed with EDEC, FCSC, PSYC, HLED, SPPA 5115. Prerequisite: graduate standing.

5120. Advanced Nursing Therapeutics I. 5. Examines the underlying pathophysiological and psychosocial basis for occurrence, detection and management of selected acute and chronic illness in all age groups. Primary focus will be on those illnesses of highest incidence in rural primary care. Management will focus on prevention, intervention and evaluation. Prerequisite: NURS 5111 AND NURS 5112.

5130. Advanced Nursing Therapeutics II. 5. Continuation of NURS 5120 examines the underlying pathophysiological and psychosocial basis for occurrence, detection and management of selected acute and chronic illnesses in all age groups. Primary focus will be on those illnesses of highest incidence in rural primary care. Management will focus on prevention, intervention, and evaluation. Prerequisite: NURS 5120.

5140. Pharmacotherapy for Primary Care Practitioners. 4. Prepares primary care practitioners in drug therapy management for a variety of client populations with an emphasis on rural practice. Cross listed with PHCY 5140. Prerequisite: admission into NP program; NURS 5165; or consent of NP program coordinator.

5155. Women, War & Health. 3. Focuses on the physical and psychological health of women and children as influenced by armed conflict. Examines the psychosocial, public health, and socioeconomic effects of living in contemporary war zones or conditions of threatened war. Key international documents that address effects upon women and children are discussed in order to evaluate feminist initiatives to prevent and mediate the consequences of war. Dual listed with NURS 4155; cross listed with WMST/INST 5155. Prerequisites: upper-division standing, lower division social or psychological science course and consent of instructor.

5160. Parent/Child Policy Development and Health Promotion. 3. Focuses on the advanced practice nursing role of the prevention specialist in parent child health promotion with implications for rural community health policy development. Prerequisite: baccalaureate degree.

5165. Advanced Pathophysiology for Primary Care Practitioners. 4. A system-based approach is used to explore selected pathophysiological states encountered across the lifespan in primary care. The developmental physiology, etiology, pathogenesis, clinical manifestations, and physiological responses to illness and treatment regimens are examined, providing a basis for the foundation of clinical decisions. Prerequisites: PHCY 4450 or equivalent.

5175. Gender, Women & Health. 3. Focuses on issues of gender, women and health, including the effects of gender bias in medical research and health care practices and policies. Health care issues of specific concern to women, both nationally and internationally are examined. Dual listed with NURS 4175; cross listed with WMST/INST 5175. Prerequisites: upper-division standing, lower division social or psychological science course.
5201. Diagnostic Systems of Psychiatric Practice. 3. Focuses on taxonomic systems used to classify psychiatric disorders and treatment, with emphasis on the common etiologic threads that are used to cluster psychiatric disease states. The relationship of taxonomies to health promotion and disease prevention, settings of care, intensity of services and related care issues are emphasized. Prerequisite: NURS 5006 or NURS 5215

5211. Clinical Management of Psychiatric Disorders. 4. Focuses on the professional role and standards of the Psychiatric Mental Health Nurse Practitioner. Emphasizes care practices for the diagnosing, acute treatment, and long-term management of common psychiatric disorders including legal, ethical and health policy issues. Prerequisite: concurrent enrollment in NURS 5201.

5215. Transition to Psychiatric Mental Health Nurse Practitioner. 3. Designed for currently certified nurse practitioners. Builds on their core APN knowledge and experience, emphasizing concepts of psychiatric assessment, psychopharmacology, and neuro-pathophysiology. Prerequisites: graduate standing, Master of Science in Nursing, Certified Nurse Practitioner.

5220. Management of Common Psychopathological Disorders: Modality I. 3. Practicum focuses on clinical experience in diverse settings to allow students to enhance abilities in the diagnosis, common treatment, and medication management of psychiatric illness. Prerequisite: NURS 5211 or concurrent.

5225. Psychotherapy for Psychiatric Mental Health Nurse Practitioner. 3. Focuses on selected specific psychotherapy models relevant to the advance practice nurse to achieve quality outcomes for individuals, families and groups with psychiatric disorders. Aspects of psychotherapy care are established within a framework of diagnostic reasoning, critical thinking, and clinical judgment to develop and apply comprehensive evidenced based treatment. Prerequisite: NURS 5201, 5220, 5211 or concurrent enrollment with NURS 5211, 5230.

5230. Management of Common Psychopathological Disorders: Modality II. 4. Clinical experiences will deal with more complex patients with more integrated health needs. Emphasis is placed on application of non-somatic therapeutics. Prerequisite: NURS 5220.

5280. Introduction to Nursing Education. 3. Introduction to the nurse faculty role in higher education. Historical perspectives of nursing education, current challenges and legal and ethical implications are discussed. Introduction to assessment and evaluation in higher education. Prerequisite: concurrent enrollment in NURS 5025.

5285. Teaching Methodologies. 3. Evidence based teaching methodologies appropriate in both clinical and didactic courses. Development of course materials, student course outcomes and evaluation of those outcomes. Prerequisite: NURS 5280.

5290. Curriculum in Nursing Education. 3. Emphasis is on the process of developing curricula in a nursing education setting or healthcare setting to include assessment and evaluation of program outcomes. Prerequisite: NURS 5285.

5300. Clinical Practicum In Rural Health Nursing. 3-15 (Max. 15). Final clinical experience provides students with the opportunity to apply theoretical content, research findings, and actively involved in rural health settings appropriate to their area of concentration. Prerequisite: all courses in the clinical area of concentration.

5390. Nursing Education Practicum. 3. Provides opportunities for analysis, application and evaluation of theories, methods, roles and responsibilities of the nurse educator in selected settings. Prerequisite: NURS 5090.

5395. Practicum in Nursing Education. 3. Clinical practicum demonstrating application of the roles and responsibilities of a nurse educator in an appropriate setting with a preceptor. Prerequisite: NURS 5290.

5500. Curriculum in Nursing Education. 3. A capstone course that brings together the role(s) of the advanced practice nurse and the environment(s) in which they practice. Economic, ethical and legal issues related to health policy development are the focus for the PMHNP. 3.

5505. Advanced Assessment and Therapeutic Interventions for the PMHNP. 4. Designed to facilitate documentation of the outcomes of the masters program. In an interactive forum, students apply previously learned research, theory and practice skills to the rural advanced practice nursing role. Each student will develop a portfolio to document attainment of program outcomes. Prerequisites: NURS 5201, 5225, and 5026; specialty courses within the MS program completed or concurrent enrollment.

5600. Non-Thesis Portfolio Seminar. 1-4 (Max. 4). Designed to facilitate documentation of the outcomes of the masters program. In an interactive forum, students apply previously learned research, theory and practice skills to the rural advanced practice nursing role. Each student will develop a portfolio to document attainment of program outcomes. Prerequisites: NURS 5010, 5025, and 5026; specialty courses within the MS program completed or concurrent enrollment.

5650. Non-Thesis Clinical Project. 1-4 (Max. 98). A non-thesis project involving independent student work focusing on developing, implementing and evaluating a clinical nursing project. The course content is adapted to meet the specific focus of the student. A report must be written under the direction of a member of the graduate faculty in the School of Nursing.

5660. Advanced Assessment and Therapeutic Interventions for the PMHNP. 4. Designed to facilitate documentation of the outcomes of the masters program. In an interactive forum, students apply previously learned research, theory and practice skills to the rural advanced practice nursing role. Each student will develop a portfolio to document attainment of program outcomes. Prerequisites: NURS 5201, 5225, and 5026; specialty courses within the MS program completed or concurrent enrollment.

5661. Diagnosis and Management of Adults for the PMHNP. 3. Designed to facilitate documentation of the outcomes of the masters program. In an interactive forum, students apply previously learned research, theory and practice skills to the rural advanced practice nursing role. Each student will develop a portfolio to document attainment of program outcomes. Prerequisites: NURS 5201, 5225, and 5026; specialty courses within the MS program completed or concurrent enrollment.
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Drug Information Director:
Dr. Melissa Hunter

Coordinator of Experiential Education
Dr. Cara Harshberger

Professors Emeriti:
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Kenneth F. Nelson, Ph.D.
Robert B. Nelson, Ph.D.

Mission Statement
The mission of the University of Wyoming School of Pharmacy is to be recognized as a leader in pharmacy education by:
• Providing and sustaining knowledge, skills, attitudes, behaviors and values necessary to develop outstanding pharmacists capable of delivering patient-centered care in a rural-frontier environment.
• Promoting professional development through a commitment to life-long learning
• Achieving recognition for innovation or leadership in teaching, service, research and practice
• Promoting excellence in the practice of pharmacy by being agents of positive change.
• Providing service to health care providers, health care systems and patients to promote excellence in health care.

Statement of Values
The School of Pharmacy values professionalism in all of its various guises.

Objectives
The primary objective of the School of Pharmacy is to provide a sound scientific, professional and cultural background necessary for the successful provision of patient-oriented primary pharmaceutical care with emphasis on rural frontier interdisciplinary community-based practice.

Learning Outcomes
The University of Wyoming adheres to the American Association of Colleges of Pharmacy Center for Advancement of Pharmaceutical Education (CAPE) educational outcomes 2004. This multipage document (and its supplements) can be accessed at www.aacp.org.

Student/Faculty Relations
The faculty and staff at the School of Pharmacy treat students as adults and expect appropriate behavior as beginning professionals. The school of Pharmacy recognizes that the profession of pharmacy demands of its members the utmost degree of professional competence, ethical behavior, and integrity. Upon enrolling at the University of Wyoming SOP and at the start of each academic year, all students will sign a pledge acknowledging that they have received and read the current Honor Code and that they have made a personal commitment to uphold the code and abide by its principles. Similarly, the School of Pharmacy Code of Professional Expectations for faculty and staff is built on the foundation of respect for others, personal responsibility, the creation and maintenance of trust, and honesty and truthfulness. The administration, faculty, staff, students, and alumni of the School of Pharmacy at the University of Wyoming should strive to set an example of ethical leadership and professional behavior as those traits are essential for good social and business interactions.

Accreditation and Membership
In Wyoming, as in most other states, one requirement for examination and registration as a pharmacist is graduation from an accredited entry-level professional program at a school or college of pharmacy. The Accreditation Council for Pharmacy Education (ACPE), the national accrediting agency for pharmacy, accredits pharmacy degree programs.

The Doctor of Pharmacy program at UW was implemented beginning fall 1996 and was accorded full accreditation status in 2007 following an on-site evaluation by the ACPE in September 2006. Verification of current accreditation status may be made by: a) contacting the Dean’s Office, School of Pharmacy; b) contacting to www.uwyo.edu/pharmacy/; c) contacting the Accreditation Council for Pharmacy Education (20 North Clark Street Suite 2500, Chicago IL 60602-5109; (312) 664-3575; csinfo@acpe-accredit.org) or d) by checking the latest Annual Directory of Accredited Professional Programs published by ACPE.

The school is a member of the American Association of Colleges of Pharmacy and adheres to its educational standards.

Preprofessional Program and Requirements
Applicants for the professional program in pharmacy must complete preprofessional requirements before they can be admitted. Usually, a minimum of four semesters (two academic years totaling 67 credit hours) is required to complete preprofessional requirements.

All preprofessional coursework must be completed by the end of the spring semester prior to matriculation in the professional program. Summer work will not be accepted.

Graduates of fully accredited high schools may be admitted to the preprofessional program with a math placement score of 3 or an ACT math score of 23. Students transferring into the preprofessional program must have a GPA of 3.0.

For students who do not meet these requirements, it is suggested that they major in Health Sciences undeclared for their first year until they meet the math requirement.

Preprofessional Program (PPCY)
Required Curriculum
Suggested Course Sequence

FIRST YEAR: Fall  
Hrs.
CHEM 1020 .................................................. 4
ENGL 1010 .................................................. 3
LIFE 1010 .................................................. 4
Electives .................................................. 4
USP Physical Activity and Health ............... 1
UNST I Course ........................................... 1
Total Hrs. 17

FIRST YEAR: Spring  
Hrs.
CHEM 1030 .................................................. 4
LIFE 2022 .................................................. 4
MATH 2200 .................................................. 4
POLS 1000 .................................................. 3
Electives .................................................. 3
Total Hrs. 18

SECOND YEAR: Fall  
Hrs.
ENGL 2020 or 2030 or USP Writing requirement .... 3
CHEM 2420 .................................................. 4
STAT 2050 .................................................. 4
KIN/ZOO 2040 ............................................. 3
KIN/ZOO 2041 ............................................. 1
Total Hrs. 15

SECOND YEAR: Spring  
Hrs.
MOLB 2240 ................................................ 5
CHEM 2440 ................................................ 4
ZOO 3115 ................................................ 4
Electives ................................................ 4
Total Hrs. 17
Electives

Students entering the university in the pre-professional program must fulfill University Studies Program (USP) requirements. USP electives may be used for a maximum of two categories. The School of Pharmacy is committed to ensuring graduates are truly educated individuals with a broad general education as well as professional knowledge and skills. This general education component is achieved by completion of the University Studies Program requirement. Each student, both professional and preprofessional, is assigned an adviser to assist him or her in making appropriate academic choices.

Professional Doctoral Program

Admission

Admission to the professional program leading to the entry-level Pharm. D. degree is limited to 52 students per year and is highly competitive. Admission is granted by the School of Pharmacy Dean upon the advice of the School of Pharmacy Student Affairs Committee. Students applying to the UW School of Pharmacy must use the PharmCAS application (www.pharmcas.org) process, all materials (PCAT scores, and Letters of Recommendation) are submitted to UW using this service. The School of Pharmacy requires no supplemental application. Students granted admission to the professional program will have to pay a one-time, non-refundable, seat fee to guarantee their placement into the entering class. In addition, students will be required to complete any immunizations necessary for experiential rotations. As part of a College of Health Sciences requirement students are also expected to complete and pass a background check prior to final admission to the professional program.

Program of Study

Requirements for Graduation

The degree of Doctor of Pharmacy (Pharm.D.) is granted upon satisfactory completion of the professional curriculum in accordance to the school’s academic standards and the fulfillment of the general university requirements. Transfer students who have previous professional pharmacy credits accepted as partial completion of residence work may not earn a degree from this university for less than 30 semester hours of resident credit in the professional program of this School of Pharmacy over a minimum of two resident semesters.

Graduation with Honors

The University of Wyoming School of Pharmacy is authorized to grant honors for academic excellence. A Doctor of Pharmacy with honors designation is awarded by the University of Wyoming to students who graduate with exceptional scholarship in Pharmacy.

Exceptional scholarship in pharmacy is defined as completion of a minimum of 142 hours from the University of Wyoming School of Pharmacy and graduation in the top 5% of the class based on their pharmacy GPA. The Pharmacy GPA is calculated on the basis of required professional pharmacy curriculum coursework and excludes required or selected elective hours. The honors distinction must be approved by a vote of the School of Pharmacy faculty.

Academic Honesty and Professional Conduct

Students admitted to the professional program are required to participate and sign the University Of Wyoming School Of Pharmacy Honor Code. Failure to sign the honor code will result in a withdrawal of admission offer or termination from the professional program.

Academic Standards

1. All University and SOP policies governing academic and professional requirements, including probation and dismissal, apply to students enrolled in the SOP Program.

2. Any violation of the academic standards herein described may constitute grounds for probation or dismissal from the Program. A violation may also lead to student inability to be placed in fourth year professional courses.

3. All academic requirements in the Program must be completed in a maximum of 6 years. This time period incorporates the 4 years of coursework and professional experiences required of all students, and takes into account any leave of absence approved by the school (in accordance with the SOP Leave of Absence Policy document). Students shall be terminated from the program if graduation is not achieved at the end of the 6th year from their official admission date to the professional program.

4. A grade of D or lower, or course withdrawal, in any required course of the professional program constitutes failure to progress toward the PharmD degree and results in probation (inability to progress to the next year).

5. A grade of D or lower, or course withdrawal, in any elective coursework will not fulfill elective requirements and the number of credits must be replaced prior to reaching the fourth year in the Program. Students need to understand that while failure in elective courses will not stop progression or cause student termination from the program, it will count toward the minimum GPA of 2.0, which may be grounds for stopping progression and/or termination.

6. No professional program courses can be repeated more than once. Inability to earn a grade of C or better in the same course will lead to student termination from the Program.

7. A maximum of three core courses may be permitted to be repeated during the degree program. This standard is however contingent on maintenance of acceptable GPA for progression.

8. Inability to successfully complete a core course in the Program will automatically prevent progression to the next semester.
9. Courses required in the Program that are taken before admission to the Program (e.g. MOLB 3610: Principles of Biochemistry and ZOO 3120: Integrative Physiology) are not automatically applicable toward the PharmD degree. The student may apply for a waiver of the requirement (but not the credits).

10. Students re-admitted to the Program are required to repeat all coursework, including electives.

11. To progress to the next semester in the Program, the SOP requires that all students:
   a. Complete all required courses in a semester with a grade of C or better.
   b. Complete at least 12 hours of coursework applicable to the pharmacy degree each semester (special circumstances will require submission of a petition requesting permission to register for less than 12 hours).
   c. Have a GPA of 2.0 or better in both university coursework and professional program courses each semester.

12. Failure to meet any academic standards for one semester results in notification that the student is not making satisfactory progress and is being stopped from advancing in the program. It may also result in termination from the Program.

13. Failure to meet any academic standards for two semesters (not necessarily consecutive) results in automatic termination from the Program.

14. Graduation with a PharmD degree requires a cumulative GPA of 2.50 in all coursework taken as a professional student (both total university coursework GPA and required Program GPA [all PHCY, ZOO and MOLB courses]).

Elective Credits Policy

The purpose of electives at the School of Pharmacy (SOP) is to complement the pharmacy curriculum, expand knowledge within a specific pharmacy discipline and to ensure completion of the general liberal arts education of the University of Wyoming. Therefore, the following policies have been approved by the faculty for the Doctor of Pharmacy professional program (thereafter, Program).

1. As published in the University Bulletin and SOP brochure students are required to complete a minimum number of electives, specific for the student’s year of matriculation into the Program. This number may vary and may be modified as adjustments are made to the professional curriculum to comply with accreditation standards. Students will be made aware of this number during initial orientation into the Program and kept informed of any changes during their stay in the academic program.

2. Students must take elective courses to satisfy first the requirements of the University Studies Program (thereafter, USP) and then complete the remaining required electives credits as general elective coursework (Program-approved required number of elective hours).

3. Students are required to complete all USP requirements even if they exceed the minimum number of elective hours initially defined in their Program in order to graduate from UW.

4. All general elective coursework must be upper division (UW 3000 level or above) to ensure adequate rigor appropriate to a professional program.

a. All University of Wyoming online courses at 3000 level or above are accepted for elective credit toward the Program.

b. Transfer or online courses equivalent to UW 3000 level or above from other accredited four-year institutions may be honored as elective credits toward the Program.

5. All required hours (including electives) must be completed by students before progressing into the P4 rotation year. Students will not be allowed to progress toward the 4th year rotations if their academic records show that less than a total of 107 credits were completed and/or university studies requirements were not fulfilled.

6. When an elective course is approved through a petition, enrollment in the course must occur during the semester for which it was approved, i.e. if the student changes his/her mind, the course will have to be petitioned again to be taken during another semester.

7. Courses offered through any community colleges, including Wyoming community colleges, regardless of their level or type (online or not), are usually neither transferable nor accepted as elective credits toward the Program.

8. Students shall not take electives as Satisfactory/Unsatisfactory (S/U) credit.

9. All courses taken in the preprofessional program or to fulfill requirements in a previous degree cannot be retaken to count as elective hours in the Program.

10. Credit by exam through the Foreign Languages Dept. will not be accepted as fulfillment of elective requirements in the Program. However, it is a student’s right to earn credit by exam for Wyoming History and Government, and Physical Education lecture while receiving elective credits toward the Program and fulfilling USP requirements.

11. For procedures and handling of all exceptions to these policies, the students should consult the SOP brochure, the student handbook, the SOP website, or check with the Manager of Pharmacy Student Services or the Associate Dean for Student Affairs.

Curriculum

The School of Pharmacy offers only the four-year curriculum leading to the Doctor of Pharmacy (Pharm.D.) degree.

In order to keep abreast with changes in pharmaceutical education, the following curriculum is subject to change or modification as required by the accrediting board. Students should be aware that changes must be expected and they will be included in their academic program. The School of Pharmacy does not plan to change graduation requirements inadvertently, but does reserve the right to change any provisions or requirement deemed necessary at any time within the student’s term of residence. Students should note that classes are usually scheduled Monday through Friday, but may include some evening and weekend coursework.
Doctor of Pharmacy

Required Curriculum

Suggested Course Sequence and Courses

<table>
<thead>
<tr>
<th>FIRST YEAR [PH1]: Fall</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MOLB 3610</td>
<td>4</td>
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<tr>
<td>PHCY 6100</td>
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<tr>
<td>PHCY 6101</td>
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<td>PHCY 6185</td>
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<tr>
<td>ZOO 4125</td>
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<table>
<thead>
<tr>
<th>FIRST YEAR [PH1]: Spring</th>
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</tr>
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<tbody>
<tr>
<td>PHCY 4450</td>
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<tr>
<td>PHCY 6102</td>
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<tr>
<td>PHCY 6352</td>
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<tr>
<td>PHCY 6285</td>
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<tr>
<th>SECOND YEAR [PH2]: Summer</th>
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<tr>
<td>PHCY 6480</td>
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<tr>
<td>PHCY 6482</td>
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<tbody>
<tr>
<td>PHCY 6210</td>
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<tr>
<td>PHCY 6245</td>
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<td>PHCY 6220</td>
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<td>PHCY 6230</td>
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<tr>
<td>PHCY 6280</td>
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<tr>
<th>SECOND YEAR [PH2]: Spring</th>
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<tr>
<td>PHCY 6211</td>
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<td>PHCY 6231</td>
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<td>PHCY 6241</td>
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<tr>
<td>PHCY 6251</td>
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<tr>
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<tr>
<td>PHCY 6312</td>
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<td>PHCY 6341</td>
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<tr>
<td>PHCY 6350</td>
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<tr>
<td>PHCY 6356</td>
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<tr>
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<td>PHCY 6103</td>
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<tr>
<td>PHCY 6370</td>
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<tr>
<th>FOURTH YEAR [PH4]: Summer, Fall, and Spring</th>
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<td><strong>Total Hrs.</strong></td>
<td><strong>39</strong></td>
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Students must complete the following Core or Required Experiential Rotations (subject to change):

- 6470-Internal Medicine I
- 6471-Internal Medicine II
- 6473-Ambulatory Care I
- 6481-Advanced Community Pharmacy
- 6483-Advanced Institutional Pharmacy

Plus 4 Elective Rotations (PHCY 6465)

Pharmacy (PHCY)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24•QB]).

3670. Historical Foundations for the Health Care Professions. 3. Provides basis for understanding roles of health care professionals of today. Examines societal evolution of the arts and sciences that provide the foundation upon which the health sciences are established. Prerequisite: 3 semester hours of history or consent of instructor.

4160. Problems in Pharmacy. 1-4 (Max. 8). Original investigation on a library or laboratory problem concerned with a definite phase of work in pharmacy. Prerequisite: consent of instructor.

4162. Analytical Methods of Pharmaceutical. 2. Laboratory with a preceding lecture. Covers common extraction techniques and instrumental methods for drug analysis. Methods include TLC, GC, HPLC, IR, and UV/VIS spectrophotometry. Students perform qualitative and quantitative analyses. Also, an introduction to statistics used in drug analysis and limitations of detection methods are given. Dual listed with PHCY 5162. Prerequisite: CHEM 2340.

4170. Pharmacy Seminar. 1-4 (Max. 8). Students present oral reports on selected topics of pharmaceutical interest for discussion by the group. Prerequisite: consent of instructor.

4210. Pharmacognosy Laboratory. 1. Analytical essays of drugs from natural sources, library research on natural product and forensic science chemistry. Prerequisite: CHEM 3340.

4370 [3630]. Phytomedicinal Agents. 2. Evaluates herbal medicines from scientific viewpoint. Introduces chemistry, pharmacology, toxicology and therapeutic use of selected phytomedicinal agents. Prerequisite: advanced standing in nursing, professional program in pharmacy or consent of instructor.

4380 [3620]. Ethnopharmacology. 3. [C2, G1•(none)] Interdisciplinary study of human use of medicinal plants in a traditional context. Develops comprehensive view, including cultural perspective as well as western biomedical description. Prerequisite: junior standing; LIFE 1000 or 1010.

4450. Pathophysiology. 4. Clinical concepts of dynamic disease processes in humans. Biochemical, physiological, and morphological disease mechanism are related to symptomatology and treatment. Prerequisite: LIFE 1010, CHEM 1000 or (1020 and 1030), KIN/ZOO 2040, 2041, ZOO 3115 or 3120. (Normally offered spring semester)

4470 [3510]. Fundamentals of Pharmacology. 4. Studies pharmaceutical agents used for treatment, diagnosis or prevention of disease with particular emphasis on mechanisms of action, therapeutic and adverse affects. Prerequisite: PHCY 4450. (Normally offered fall semester)

4550. Non-Prescription Medications and Devices. 3. Develops knowledge and skills to help health care professionals function as therapeutic advisors to clients in the self-care of disease states amenable to management.
with non-prescription medication and/or devices. Prerequisite: PHCY 4450 or consent of the instructor.

4600. Health Care Law. 3. A survey of health care law for students in health care programs, law students, and other matriculated students. The subject matter will include but not be limited to the following: malpractice, licensing, informed consent, reform, reproduction and advance directives. Dual listed with PHCY 5660. Prerequisite: consent of instructor.

5140. Pharmacotherapy for Primary Care. 3. Prepares primary care practitioners in drug therapy management for various client populations, emphasizing rural practice. Cross listed with NURS 5140. Prerequisite: B.S.N., baccalaureate in health care field or consent of instructor.

5162. Analytical Methods of Pharmaceuticals. 2. Laboratory with a preceding lecture. Covers common extraction techniques and instrumental methods for drug analysis. Methods include TLC, GC, HPLC, IR, and UV/Vis spectrophotometry. Students perform qualitative and quantitative analyses. Also, an introduction to statistics used in drug analysis and limitations of detection methods are given. Dual listed with PHCY 4162. Prerequisite: CHEM 2340.

5550. Advanced Cardiovascular Physiology and Pharmacology. 3. An advanced study in the integration of modern cardiovascular physiology, pharmacology, biochemistry and cell biology concepts. Dual listed with PHCY 6550. Prerequisite: PHCY 6230 (or equivalent).

5660. Health Care Law. 3. A survey of health care law for students in health care programs, law students, and other matriculated students. Subject matter includes, but is not limited to, the following: malpractice, licensing, informed consent, reform, reproduction and advance directives. Dual listed with PHCY 4660. Prerequisite: consent of instructor.

6100. Dose Form Design. 4. Extensively introduces various types of dosage forms, discusses advantages and disadvantages of each. Pharmaceutical calculations are a major component of the course, as well as physicochemical principles involved in dose form stability. Prerequisites: CHEM 2420 and 2440.

6101. Practical Aspects of Dosage Form Design. 1. Preparation and evaluation of dosage forms is main thrust of course. Laboratory emphasizes manipulative and mathematical skills, prescription formats, packaging and storage as they apply to pharmaceuticals. Prerequisites: concurrent enrollment in PHCY 6100; MATH 2100.

6102. Biopharmaceutics and Pharmacokinetics. 4. [M3] (none) Discusses biopharmaceutics and pharmacokinetics aspects of dosage form design. Basic pharmacokinetics and biopharmaceutics are interrelated to clinical applications. Also covers classical kinetics and dissolution. Prerequisites: MATH 2200 and PHCY 6100.

6103. Sterile Products. 2. An introduction to the preparation and clinical application of sterile dosage forms. Emphasizes basic principles related to preparation, dispensing and administration of parenteral medications in extended care and hospital pharmacy practice. Prerequisites: PHCY 6100, 6101, 6105, and concurrent enrollment in PHCY 6104.

6104. Sterile Products Laboratory. 1. A hands-on training in techniques used to prepare, dispense and administer parenteral admixtures, parenteral nutrition, chemotherapy and ophthalmics. Prerequisites: PHCY 6100, 6101, 6105 and concurrent enrollment in PHCY 6103.

6106 [6105]. Pharmaceutical Calculations. 2. Application of basic mathematics and quantitative reasoning to pharmaceutical calculations, emphasizing calculations of doses, dosage requirements, compounding of formulations and parenterals. Prerequisites: MATH 1000 or 1400.

6110. Medicinal and Natural Products Chemistry I. 3. Three-semester series that studies the physicochemical, biochemical and pharmacological properties of substances of natural and synthetic origin that are used as medicinal agents. Prerequisites: CHEM 2440 and MOLB 3610.

6170. Introductory Pharmacy Practicum. 1. Provides an early curricular exposure to the roles and functions of pharmacists in their work environment through a shadow experience. Prerequisites: satisfactory completion of PHCY 6185.

6185. Seminar: Role of the Pharmacist in Health Care. 1. Provides an overview and survey of the scope of pharmacy, including educational and licensing requirements; career opportunities, pharmacy organizations and regulatory agencies, and historical evolution. Prerequisite: admission to the professional program.

6210. Medicinal and Natural Products Chemistry II. 3. Continuation of Medicinal and Natural Products Chemistry I. Prerequisite: PHCY 6110.

6220. Pathophysiology. 2. Continuation of PHCY 4450. Students work closely with clinical case studies. Prerequisite: PHCY 4450.

6230. Pharmacology I. 4. First semester of a one-year series. Studies action of chemical agents on living systems to include pharmacodynamics, toxicology, and clinical therapeutics. Concepts are emphasized through case presentations and discussion. 4.0 credit hours; lecture with separately scheduled discussion section. Prerequisite: PHCY 4450.


6241. Organizational and Societal Issues Within the Health Care System. 3. Surveys U.S. health care system. Discusses organization, insurance programs, legislation and health care professionals. Also discusses sociological issues pertinent to the patient and illness, the role of the pharmacist, and drugs and drug use. Prerequisites: enrollment in the professional program, School of Pharmacy or consent of instructor.

6242. Public Health. 3. Encompasses essentials of medical sociology, biology, chemotherapy and public health of communicable diseases; chronic diseases; and environmental health problems. Prerequisite: successful completion of year one of the Doctor of Pharmacy program or consent of instructor.

6245. Patient/Professional Interactions. 3. Focuses on psychosocial and communication concepts pertaining to human interactions, with application to professional practice environments and clinical counseling situations. Prerequisite: enrollment in the doctor of pharmacy professional program.

6250. Drug Literature Evaluation. 3. [W3] (WC, L) Provides a knowledge base, techniques and skills for information retrieval, evaluation of medical and pharmaceutical practice literature, and application to specific patient problems. Prerequisite: STAT 2050 or equivalent; WB designated course.

6251. Introduction to Therapeutics. 3. Introduces pharmacotherapeutic principles employed in the management and monitoring of drug therapy. Assesses the impact of drug therapy on clinical laboratory parameters, metabolic states, and specific patient populations. Introduces the pharmacotherapeutic management of common disease states. Prerequisites: PHCY 6220, 6230.

6280 Seminar: Pharmacy Ethics. 1. Focuses on ethical issues confronting pharmacists in practice, pharmacy as a profession, the health care delivery system and society. Prerequisite: enrollment in the doctor of pharmacy professional program.

6285 Seminar: The Drug Use Process. 1. Focuses on how and why people use pharmaceuticals; people as patients; illness and wellness behavior; drug misadventuring, and appropriate intervention strategies. Prerequisite: PHCY 6185 or consent of instructor.

6286 Seminar: Pharmacy Practice Theories. 1. Focuses on the application of theories from the pharmaceutical and related literature with application to pharmacy practice. Prerequisite: PHCY 6285 or consent of the instructor.

6290 Topics in Pharmacology. 2. [W3](none) Writing-intensive course using topics to explore the role of drugs in health care provision. Prerequisite: prior credit or concurrent enrollment in PHCY 6230 or 6231 or consent of instructor.

6312 Clinical Toxicology. 3. Focuses on biological and pharmacological effects of environmental, chemicals, OTC and prescription drug poisoning cases. Emphasis will be placed on the use of historical, laboratory and clinical data to diagnose and develop clinical management approaches for both acute and chronic poisoning cases. Prerequisites: PHCY 6230, MOLB 3610.

6341 Pharmacy Practice Law. 3. Coverage of state, federal and local laws and regulations which relate directly to the practice of pharmacy. The Wyoming Pharmacy Act serves as a model for analogous laws in other states. Case law at the federal and state levels affecting pharmacy practice is analyzed and discussed. Prerequisite: PH4 or consent of instructor.

6342 Pharmacy Administration. 3. Examines management of pharmaceutical services, analysis of drug distribution systems in the U.S., contemporary pharmacy practice and problems common or peculiar to all types of pharmacy services. Prerequisite: PH3 status.

6343 Pharmacoeconomics. 2. Designed to provide the student with the techniques to evaluate health care economic data for application to the pharmaceutical care of patients. Prerequisites: MATH 2200; PHCY 6250.

6350 Therapeutics I. 4. A study of the basic principles employed in the pharmacotherapeutic management of common disease states. Includes the pharmacist’s role in monitoring drug therapy of the patient and serving as a drug consultant to the health care team. Prerequisite: grade of C or higher in PHCY 6251.

6351 Therapeutics II. 4. Continuation of Therapeutics I. Prerequisite: grade of C or higher in PHCY 6350.

6352 Self-Care Therapeutics. 3. Emphasizes the role of the pharmacist in pharmaceutical self care, appropriate triage and referral involving prescription, non-prescription pharmaceuticals, complimentary, alternative therapies and devices in community dwelling patients with both acute and chronic self-care conditions. Prerequisite: enrollment in the doctor of pharmacy professional program.

6354 Pharmacy Practice Laboratory. 2. Emphasizes the application of patient and disease state management pharmaceutical care skills by modeling patient care clinics, community practice and institutional practice. Emphasizes patient counseling, assessment, monitoring and development of patient care plans in “mock” patient scenarios. Prerequisites: enrollment in the doctor of pharmacy professional program.

6356 Physical Assessment in the Evaluation of Drug Therapy. 1. Physical examination techniques and the interpretation of physical examination data. Emphasis is on a systematic approach to the physical examination, evaluation of patient data, maintaining patient charts, monitoring of patient outcomes and development of treatment plans. Prerequisite: P3 status or consent of instructor.

6357 Clinical Pharmacokinetics. 2. Pharmacokinetic principles of dosage regimen calculation and pharmacokinetic considerations relating to the use of various drugs. Clinical pharmacokinetics of therapeutically important drugs will be covered. Prerequisite: PHCY 6102.

6370 Advanced Pharmacy Experience Orientation. 1. Designed to prepare the student for 4th year experiential activities by discussion of logistics, professionalism, regulatory issues, and assessment tools. Prerequisites: Good standing in the P3 year or consent of instructor.

6385 Seminar: Future Trends. 1. Focuses on internal and external trends that have the potential to affect the practice of pharmacy in the future. Students are expected to discern potential trends from a variety of literature sources and project the potential effects on their future practice. Prerequisite: P3 status or consent of the instructor.

6465 Elective Rotation In______. 4 (Max. 16). Advanced practice experience in a variety of pharmacy practice, patient care, health care management, and pharmaceutical industry environments. Application of knowledge and skills with active participation in direct pharmaceutical care. Development of knowledge and skills related to specialized patient populations, health care management, and pharmaceutical industry. Students will be required to move to off-campus sites to complete this course. Prerequisite: grade of C or higher in PHCY 6351 and 6357.

6470 Internal Medicine I. 4. Pharmacy practice experiences with acute care patient populations in community hospitals; exposure to various disease states and patient records; evaluating drug orders in medical records, assessing problems involving patient’s drug therapy, monitoring drug therapy to insure effective, safe, and economical patient care, and applying drug information skills. Prerequisite: grade of C or higher in PHCY 6351 and PHCY 6357.

6471 Internal Medicine II. 4. Advanced practice experiences with general medicine, acute care patient populations in community hospitals. Participation in problem solving and the therapeutic decision-making process, including drug dosage regimen, application of rational therapy. Prerequisite: PHCY 6470.

6473 Ambulatory Pharmaceutical Care. 4. An experiential course focusing on the pharmacist as the drug expert in a multidisciplinary health care team approach to treating ambulatory patients within the philosophy of family practice. Prerequisites: grade of C or higher in PHCY 6351 and PHCY 6357.

6480 Introduction to Community Pharmacy Practice. 4. Four-week rotation in community pharmacy practice completed under the guidance of a licensed pharmacist. Patient care activities will include, but not be limited to, basic patient and drug therapy assessment, performing medication histories and prospective drug utilization reviews, basic patient counseling and active participation in the medication distribution process. Prerequisites: grade of C or higher in PHCY 6352 and 6354 and satisfactory completion of all courses within the P1 curriculum (i.e. P2 standing).
485. advanced community pharmacy. 4. an advanced practice experience in community pharmacy that involves student learning and participation in non-dispensing models of pharmaceutical care, such as pharmacist anticoagulation clinics, vaccination clinics, smoking cessation, diabetic education, chronic disease drug therapy monitoring, self-care treatment, and indigent patient care, etc. prerequisite: grade of c or higher in phcy 6351 and phcy 6357.

486. introduction to hospital pharmacy practice. 4. four-week rotation in hospital pharmacy practice completed under the guidance of a licensed pharmacist. patient-care activities will include basic drug therapy and patient assessment, prospective drug utilization reviews, participating in the hospital’s medication distribution process, performing calculations, compounding preparations and understanding pharmacy’s role within the health-system through interdisciplinary interactions. prerequisite: grade of c or higher in phcy 6352 and 6354 and satisfactory completion of all courses within the p1 curriculum (i.e. p2 standing).

487. advanced institutional pharmacy. 4. an advanced rotation in institutional pharmacy under the preceptorship of a licensed pharmacist. the student interacts with patients, health care professionals and allied health personnel to assure the best use of medications. prerequisite: grade of c or higher in phcy 6351 and phcy 6357.

488. reflective learning in pharmacy. 1 (max. 4). a debriefing class with emphasis on sharing experiences and making notice of the learning that has occurred during the community pharmacy practicums. this is a one week course to be held the week prior to starting practicums and repeated at 12 week intervals thereafter. offered s/u only. prerequisite: ph4 status.

5550. advanced cardiovascular physiology and pharmacology. 3. an advanced study in the integration of modern cardiovascular physiology, pharmacology, biochemistry and cell biology concepts. dual listed with phcy 5550. prerequisite: phcy 6230 (or equivalent).

divison of social work
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professor:
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professors emeriti:
boyer, cheesteen, miller, williams

social workers are uniquely qualified to help people in their own environments by looking at different aspects of their lives and cultures. we work to ensure the client’s personal well-being, prevent crises, counsel individuals, support families, and strengthen communities. we make sure people get the help they need, with the best resources available.

for more than 100 years, social workers have cared for people in every stage of life, from children to the elderly. social workers help others overcome life’s most difficult challenges and to manage the troubles of everyday living, including the troubles that exist due to poverty, stress, addiction, abuse, unemployment, mental illness, family change, and social violence.

the division of social work prepares students for entry-level generalist social work practice. two locations offer the social work program: the laramie campus and the university of wyoming/casper college center on the casper college campus. graduates receive a bachelor of social work (bsw) and are prepared to work as generalist social work practitioners with individuals, groups, families, organizations, communities, and institutions to achieve more effective and efficient social functioning.

our program is accredited by the council on social work education. the curriculum is designed to help students acquire important knowledge and skills in the areas of values and ethics, diversity, social and economic justice, populations-at-risk, human behavior and the social environment, social welfare policy and services, social work practice, and research. students also select elective courses in areas such as child welfare, aging, child and adolescent services, health and mental health, and disability services. the program culminates in a 450-hour supervised field practicum, which allows students to work as social workers in one of wyoming’s many human service agencies.

criteria for admission as an admitted major

students who declare social work as their major are considered declared majors while taking sowk 2000, 3530, and 3630. after completion of these classes, students apply to be admitted majors. admissions is a competitive process. at a minimum, social work students must meet the following criteria to be accepted as an admitted major.
1. Students must earn a minimum grade point average (GPA) of 2.50 on all UW course work as well as all course work transferred into the University of Wyoming from other academic institutions.

2. Complete the following prerequisites:
   a. SOC 1000
   b. PSYC 1000
   c. POLS 1000
   d. LIFE 1000

3. Students must earn a minimum 2.50 GPA in SOWK 2000, 3530, and 3630.

4. Students must earn a grade of C or higher in SOWK 2000, 3530, and 3630.

5. Students must adhere to the NASW Code of Ethics.

6. Students cannot exhibit behavior that will impinge on the student’s present or future ability to fulfill professional responsibilities as a social work professional.

7. All students seeking admission to programs in the College of Health Sciences are required to undergo a background check as specified by college policy. Criminal convictions may result in rejection of the candidate for admission to Admitted Major.

8. Students must submit an application and an application fee. (See UW Fee Book)

9. Applicants to the social work program can not receive credit for life experience.

Criteria for Social Work Majors

Once admitted as a major, social work students must:

1. Complete all social work courses and the following:
   a. Statistics
   b. ECON 1010
   c. An approved human development course
2. Achieve a C or better in all social work prerequisites.
3. Achieve a C or better in all social work courses, including six hours of required social work electives.
4. Social work classes are offered and must be completed in sequential order.
5. Maintain a 2.5 or above GPA overall every semester after admittance to Admitted Major.
6. Maintain a 2.5 or above GPA overall in all social work course work every semester after admittance to Admitted Major.
7. Registration is restricted and students must meet with their advisor each semester for enrollment.
8. Complete SOWK 4990 with a C or better.

Individuals failing to meet any of the above requirements will be placed on probation and have twelve months to remedy the situation. Because many social work courses have prerequisite requirements, receiving a grade lower than a C in a social work course may prevent the individual from moving forward in the social work program. Individuals on probation must meet with their advisor to develop a plan for success. This written plan must be placed in the student’s file. If the individual does not remedy the situation in the time specified, the student will be terminated from the major. The individual may apply for readmission into the major if and when they raise their grades.

Field Practicum Process for Social Work Students

All students complete a 450-hour (12 credit hours) field practicum experience in a community-based social agency or social program. Field practicum sites exist throughout the state of Wyoming and many students are placed outside Laramie. Students apply for this program the semester before their actual placement. Students must complete a Field Placement Application and meet with the Field Coordinator to determine a field location (please review BSW Field Practicum Manual). Background checks and drug screenings may be required by some agencies even though the College of Health Sciences has received a background check during admission to the major.

Field practicum includes field seminars scheduled throughout the semester(s). For the practicum, the grade of D is interpreted as performing below expectations and will not be considered satisfactory completion of the practicum, hence of the BSW program. Based on input from the student, the field instructor, and the faculty liaison during the field evaluation, the field coordinator will determine what remediation would be required. The plan will clarify course objectives and professional skills upon which the student needs to improve. A student wishing to continue in the program would need to reapply for a field placement. Upon approval of the request for placement by the field committee, the student may then repeat the practicum experience. Consistent with the University policy, the most recent grade would be the grade calculated into the GPA. The grade of F is interpreted as not meeting minimal requirements of the course; failure to complete the minimum clock hours in the field placement and/or seminar component of the course; failure to complete written assignments in a satisfactory manner; violation of one or more of the tenets of the NASW Code of Ethics (see Appendix B and Termination of Practicum section in the practicum manual); and/or failure to withdraw formally or to terminate the course. A student receiving an F in the practicum will be automatically dismissed from the BSW program with no opportunity to reapply or re-enter. Grades and dismissals may be appealed. (See most current BSW Student Handbook for appeal procedures.)

Criteria for Graduation

The program requires 120 credit hours to graduate. Students must have completed all social work requirements, 48 upper-division hours, maintain a 2.5 GPA overall, a 2.5 GPA in social work coursework, and have achieved a grade of C or better in all social work courses.

Declared Major Plan of Study (4 years)

FRESHMAN YEAR: Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1000</td>
<td>4</td>
</tr>
<tr>
<td>LIFE 1000 or 1010</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>3</td>
</tr>
<tr>
<td>PEAC 1010</td>
<td>1</td>
</tr>
<tr>
<td>USP Intellectual Community course (I)</td>
<td>1-3</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hrs.</strong></td>
<td><strong>16-18</strong></td>
</tr>
</tbody>
</table>

FRESHMAN YEAR: Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 1000</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1000 (V)</td>
<td>3</td>
</tr>
<tr>
<td>USP Humanities elective (CH)</td>
<td>3</td>
</tr>
<tr>
<td>Science (SB, SP, SE)</td>
<td>4</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hrs.</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR: Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>USP Cultural Context (CA)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1000 or 1400 (QA)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1010</td>
<td>3</td>
</tr>
<tr>
<td>USP Global Awareness course (G)</td>
<td>3</td>
</tr>
<tr>
<td>USP Information Literacy course (I)</td>
<td>1-3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hrs.</strong></td>
<td><strong>16-18</strong></td>
</tr>
</tbody>
</table>
College of Health Sciences

Social Work

SOPHOMORE YEAR: Spring  Hrs.
STAT  2050 or 2070 (QB)............. 4
USP Oral Communications course (O) 3
USP Writing 2 course (WB) ............. 3
USP Diversity course (D)............... 3
Free Elective .......................... 2
Total Hrs. ........................... 15

JUNIOR YEAR: Fall  Hrs.
SOWK  2000 .......................... 3
SOWK  3530 .......................... 3
SOWK  3630 .......................... 3
Free Elective .......................... 2
Total Hrs. ........................... 15

JUNIOR YEAR: Spring  Hrs.
SOWK  3540 .......................... 3
SOWK  3640 .......................... 3
Free Elective .......................... 2
Total Hrs. ........................... 12

SENIOR YEAR: Fall  Hrs.
SOWK  3650 .......................... 3
SOWK  4560 .......................... 3
SOWK  4990 .......................... 6
Social Work Elective ................... 3
Total Hrs. ........................... 14

SENIOR YEAR: Spring  Hrs.
SOWK  4570 (WC) ...................... 3
SOWK  4460 .......................... 3
SOWK  4990 .......................... 6
SOWK elective .......................... 3
Total Hrs. ........................... 15

Two-Year Program Plan of Study

Two year program for individuals who are juniors transferring from another UW major or entering UW with an associate degree from a Wyoming community college. The chart below assumes that 60 credit hours are transferred into the University and that USP requirements have been met.

JUNIOR YEAR: Fall  Hrs.
Human Biology ......................... 4
ECON  1010 .......................... 3
SOWK  2000 .......................... 3
SOWK  3530 .......................... 3
SOWK  3630 .......................... 4
Total Hrs. ........................... 17

JUNIOR YEAR: Spring  Hrs.
STAT  2050/2070 ........................ 4
SOWK  3540 .......................... 3
SOWK  3640 .......................... 3
Social Work Elective ................... 3
Social Work Elective ................... 3
Total Hrs. ........................... 15

SENIOR YEAR: Fall  Hrs.
SOWK  3650 .......................... 3
SOWK  4560 .......................... 3
SOWK  4990 .......................... 6
Elective ............................... 3
Total Hrs. ........................... 15

SENIOR YEAR: Spring  Hrs.
SOWK  4460 .......................... 3
SOWK  4570 .......................... 3
SOWK  4990 .......................... 6
Elective ............................... 2
Total Hrs. ........................... 14

Graduate Study

The master of social work (MSW) is designed to prepare graduate students for advanced level social work practice and leadership positions in rural human service organizations. The MSW program is accredited by the Council on Social Work Education. The master of social work program is fashioned around an advanced generalist and rural social work focus that relies on the problem-solving method, and is based on the values, knowledge, and skills of the profession. Part-time and full-time options are available.

Certificate Programs

Rural Clinical Mental Health Social Work
Health and Medical Social Work
School Social Work

See Web site for details and course requirements.

Program Specific Admission Requirements

The Division of Social Work’s admission committee bases its decisions primarily on the evaluation of previous undergraduate and graduate work, recommendations, experience in human services (paid, volunteer, research, and internship), the applicant’s personal statement, an academic essay, and optional supporting materials.

Standard MSW Program

Applicants to the MSW program are expected to meet the following minimum criteria for admission:

A baccalaureate degree from an accredited college or university; (e.g. Council on Higher Education or equivalent)

An undergraduate cumulative grade point average (GPA) of normally 3.0

A baccalaureate degree that reflects a broad liberal arts preparation. The Division of Social Work defines a broad liberal arts preparation as having completed at least six credits in each of the following four curricular areas:

- social and behavioral sciences;
- natural sciences;
- humanities and visual and performing arts (art, philosophy, religion, literature, music, theater); and
- quantitative reasoning.

In addition, applicants must have completed a human biology course (or its equivalent) and a statistics course in which they earned a grade of C or better.

Applicants also will be evaluated on their:

- Intellectual and personal qualities essential to the successful practice of social work, such as sensitivity and responsiveness in relationships, concern for the needs of others, adaptability, good judgment, creativity, and integrity;
- Commitment to social justice and equality;
- Written and verbal communication skills;
- References; and the compatibility of career goals with the MSW program’s advanced generalist perspective.

Advanced Standing Program

Applicants who have a baccalaureate degree in social work from an accredited social work program are eligible to apply for the advanced standing program. Advanced standing students enter the MSW program in the summer of each academic year, complete two summer bridge courses, and enter the advanced generalist concentration in the fall.

To qualify for advanced standing, applicants must have:

- A baccalaureate degree in social work from an accredited (Council on Higher Education or equivalent) college or university and social work program which is accredited by the Council on Social Work Education;
- An undergraduate social work GPA of 3.25 or better;
- A university GPA of normally 3.0; and preferably obtained a grade of B or better in each undergraduate social work course.
Program Specific Degree Requirements

The MSW program is divided into two phases: foundation and concentration. The foundation year of the MSW program prepares students for the advanced generalist concentration in the second year. Students may complete either program full-time or structured part-time. Students must also complete a final paper and oral exam.

Master of Social Work Plan A

Students complete all SOWK required courses except SOWK 5740 and SOWK 5750. Plan A students register for SOWK 5960 Thesis Research (variable credit, maximum 12). Students registering for the Plan A option are required to carry out original research. Thesis proposal defense, thesis implementation, and final defense are required. Plan A students may write a monograph fully detailing their research or a publishable peer-refereed journal article, determined in consultation with the student’s Research Chair. Advanced Plan A = 37 hours Standard Plan A = 59 hours of coursework

Master of Social Work Plan B

Students complete all SOWK required courses including SOWK 5740 and SOWK 5750. Plan B students register for SOWK 5740 (1 credit), to build a student project proposal that will be implemented in the SOWK 5750 (2 credit) course. A final written paper and oral defense are required. Advanced Plan B = 36 hours of coursework Standard Plan B - 58 hours of coursework

Social Work (SOWK)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M2]|QB]).

1001. Intellectual Community in Social Work. 3. [(none)|O, L] Provides a theoretical examination of the mechanisms of oppression. Content focuses on individual, group, and societal functioning. Also provides an introduction to the profession of social work and a foundation in information literacy. Prerequisites: none.

1002. Intellectual Community: The Social Work Profession. 3. [none]|I, L] Provides an introduction to the purpose and philosophy of social work. Content focuses on various roles that social workers play and the ethical dilemmas they encounter. Also provides an introduction to developing research questions in social work and the problem solving method. Prerequisites: none.


1900. Women and Leadership. 3. [none]|O, L] Students examine theoretical, historical, and cultural aspects of leadership, values in leadership, gender differences in leadership styles, and practical applications of leadership skills through oral communication and information literacy. Individual and collaborative work is expected. Cross listed with WMST 1900. Prerequisites: one course in women’s studies.

2000 [3000]. Foundations Of Social Work. 3. Introduces social work and social welfare through an overview of the history, philosophy, ethics, values, methods, and fields of practice to generalist social work. Prerequisites: none.

3530. Human Behavior in the Social Environment. 3. Covers theories and knowledge of human bio-psycho-social-spiritual development and social interactions within a systems framework, as well as knowledge of theories of larger systems and cultures and the strengths and hazards of various social systems. Recognition of systemic oppression is emphasized. Prerequisites: PSYC 1000 with a C or better. (Normally offered fall semester)

3540. Human Behavior and Social Environment II. 3. Covers theories and knowledge of human biopsychosocial development within a systems framework, with a focus on groups, communities, organizations and institutions. Prerequisites: SOWK 3530. (Normally offered spring semester)

3630. Social Work Practice. 4. Introduces generalist social work practice at all systems' levels, covering the nature of social work practice, theoretical perspectives, ethics and values, engagement, assessment, intervention and evaluation processes and skills. Prerequisites: SOWK 2000 or concurrent enrollment.

3640. Principles in Social Work Practice. 3. Focuses on the ethical principles that undergird the practice of social work, addresses how to practice ethically, and explores the process of ethical decision-making. Social work practice with various client systems will be considered, as well as practice in varied settings. Prerequisites: SOWK 3630 with a C or better.

3650. Social Work Methods III. 3. Applies the problem solving method to interventions with organizations, communities and institutions within the generalist social work perspective. Prerequisites: completion of SOWK 3540 and SOWK 3640 with a C or better; admitted major status.

4020. Disability Studies Theory and Practice. 3. [(none)|CS] Explores the interdisciplinary nature of disability studies, which investigates the embodied experience of disability as well as culturally constructed meanings and belief systems that function to stigmatize, oppress, liberate, or otherwise impact people living with illness and disability. Students will develop interdisciplinary research questions, paying particular attention to sociological realities. Dual listed with SOWK 5020; cross listed with WIND 4020. Prerequisite: WIND 2100 or WB.

4030. Social Work and Mental Health. 3. Presents overview of mental health services, policy, nosologies, history and interventions. Information examined in light of social work values and ethics, concern for populations-at-risk, and social and economic justice. Issues of diversity in mental health arena considered throughout. Dual listed with SOWK 5030. Prerequisite: advanced major in social work.

4060. Diversity and Difference in Social Work Practice. 3. Examines social work’s roles and issues related to human diversity. Social work values and ethics and social and economic justice are explored throughout. Prerequisite: SOWK 3630 with a C or better.

4083. Social Work and Health Care. 3. Identifies and addresses social work issues related to health, such as medical social work, public health, and health promotion. Dual listed with SOWK 5083. Prerequisites: SOWK 3630 and Admitted Major status; a WB course and junior standing for non-social work majors.

4084. Professional Social Work Practice: Alcohol and Other Drugs. 3. Examines alcohol and substance abuse and social work’s role in varied practice settings. Issues explored include medical considerations in alcohol abuse, social and familial challenges, as well as social work values and ethics, and concern for populations-at-risk. Dual listed with SOWK 5084. Prerequisites: SOWK 3630 and Admitted Major status; a WB course and junior standing for non-social work majors.

4460. Social Welfare Policies and Issues. 3. [C2|none] Analyzes issues, programs, and policies in social work and social welfare. Prerequisite: ECON 1010 with a C or better.

4480. Introduction to Aging Services. 3. Surveys issues in aging and social work’s role, status and function in the field of gerontology. Prerequisite: SOWK 2000 or consent of instructor.
4991. Social Work Competency Assessment I. 3. Develops and supports student integration of classroom and field practicum experiences in a final demonstration of competencies for the beginning practitioner. This course is taken in the fall, concurrent with SOWK 4990, Field Practicum. Prerequisite: concurrent enrollment in SOWK 4990.

5000. Topics: Social Work. 1-3 (Max. 15). Various advanced topics in social work will be presented. May be repeated for a maximum of 15 hours when offered for different topics. Prerequisite: bachelor’s degree; 18 hours in socio/behavioral sciences preferred.

5020. Disability Studies Theory and Practice. 3. Explores the interdisciplinary nature of disability studies, which investigates the embodied experience of disability as well as culturally constructed meanings and belief systems that function to stigmatize, oppress, liberate, or otherwise impact people living with illness and disability. Students will develop interdisciplinary research questions, paying particular attention to sociological realities. Dual listed with SOWK 4020; cross listed with WIND 4020. Prerequisite: WIND 5020.

5030. Social Work and Mental Health. 3. Explores mental health services, policies, neologies, history, and interventions. Information examined in light of social work values and ethics, concerns for populations-at-risk, and social and economic justice. Issues of diversity in mental health areas considered throughout. Dual listed with SOWK 4030. Prerequisite: graduate standing.

5060. Diversity and Difference in Social Work Practice. 3. Examines social work’s roles and issues related to human diversity and difference. Social work values and ethics and social and economic justice are explored throughout. Prerequisites: SOWK 5300.

5081. Introduction to Clinical Diagnosis and Assessment. 3. Introduces the area of clinical diagnosis and assessment focused on the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). Students will explore the process of completing a clinical psychiatric evaluation and formulating an initial psychiatric diagnosis and treatment plan. Prerequisite: graduate standing.

5082. Women and Mental Health in Context. 3. Examines the context of women’s lives that contribute to actual or perceived emotional vulnerability and psychiatric diagnoses. Priority will be shifted from individual clinical pathology of women to a perspective of societal and patriarchal oppression. Prerequisites: graduate standing or consent of instructor.

5083. Social Work and Health Care. 3. Identifies and addresses social work issues related to health, such as medical social work, public health, and health promotion. Dual listed with SOWK 4083. Prerequisites: SOWK 3630 and Admitted Major status; a WB course and junior standing for non-social work majors.

5084. Professional Social Work Practice: Alcohol and Other Drugs. 3. Examines alcohol and substance abuse and social work’s role in varied practice settings. Issues explored include medical considerations in alcohol abuse, social and familial challenges, as well as social work values and ethics, and concern for populations-at-risk. Dual listed with SOWK 4084. Prerequisites: SOWK 3630 and Admitted Major status; a WB course and junior standing for non-social work majors.

5100. Principles and Philosophy of Social Work. 2. Explores the history, traditions, ethics, purpose, philosophy, and knowledge base of the social work profession. Introduces the generalist social work perspective in rural settings that is grounded in a systems’ and person-in-environment framework. Prerequisite: admission into the MSW program.

5110. Social Policy Analysis. 3. Explores the theory, history, structure and impact of social welfare policy on individuals, families, groups, organizations and communities. Particular attention paid to the analysis and development of policy, programs, and services related to social issues on a national, state, and local level. Prerequisite: admission into the MSW program and have either completed SOWK 5100 or take SOWK 5110 and 5100 concurrently.

5115. Human Rights and Social Justice. 3. Examines human rights and social and economic justice from a social work perspective, as well as systems that oppress and create injustice in the US and internationally. Prerequisite: SOWK 5110.

5120. Generalist Social Work Competency Assessment. 2. Develops and supports student integration of classroom and field practicum experiences in a seminar-style discussion of core competencies for the foundation year MSW student. Taken concurrently with foundation year (spring semester) SOWK 5460. Prerequisite: must be taken concurrently with spring semester of foundation year field practicum, SOWK 5460.
5200. Human Behavior and the Social Environment I. 2. A theoretical examination of human behavior and the social environment, focusing on individuals, families and small groups in the context of human life cycle development. Emphasizes issues of human diversity and social and economic justice in the context of the environment. Prerequisites: SOWK 5100 or concurrent enrollment.

5210. Human Behavior and the Social Environment II. 2. A theoretical examination of human behavior in the social environment, focusing on groups, communities, organizations and institutions. Emphasizes issues of human diversity and social economic justice. Prerequisite: admission into the MSW program; SOWK 5100 must be completed or taken concurrently with SOWK 5200.

5300. Generalist Practice I. 3. Applies social work skills, values, and knowledge to a range of human service settings in a rural state. Emphasis is on generic methods within a systems and problem-solving framework. Covers assessment and intervention with individuals and families. Addresses ethics and diversity throughout the course. Prerequisite: admission into the MSW program.

5310. Ethical Principles in Social Work Practice. 2. Focuses on the ethical principles that undergird the practice of social work, addresses how to practice ethically, and explores the process of ethical decision-making. Social work practice with various client systems will be considered, as well as practice in varied settings. Prerequisite: admission into the MSW program; must have completed SOWK 5300.

5400. Social Work Generalist Research Methods. 3. Covers design, implementation and interpretation of research in social work practice settings. Presents methods of program evaluation and practice research at all system levels using both quantitative and qualitative research methodologies. Prerequisite: admission into the MSW program.

5450. Field Practicum I. 3. Provides the opportunity for students to learn through experience the skills of entry-level generalist social work practice. The course consists of supervised practice, in a community service agency, of social work knowledge, values and skills learned in the classroom. Prerequisite: SOWK 5450.

5495. Social Work Research and Analysis. 2. Designed for MSW advanced standing students to address research methods and analysis in the context of the generalist problem-solving approach. Prerequisite: admission to the MSW advanced standing program; concurrent enrollment in SOWK 5499.

5498. Generalist Practice in Communities and Organizations. 2. Addresses socio-behavioral practice theories and principles relevant to work with large client systems including groups, organizations, and communities. Prerequisite: admission into graduate social work program as an advanced standing student.

5499. Social Work Generalist Practice. 2. Designed for MSW advanced standing students to address foundation practice, knowledge and skills in the context of the generalist problem-solving approach. Issues of ethics and diversity addressed throughout the course. Prerequisite: admission to the MSW advanced standing program; concurrent enrollment in SOWK 5495.

5500. Advanced Policy: Advocacy and Social Action. 3. Advanced generalist course builds on foundation and advanced year courses to prepare students to conduct comparative and advanced policy analysis and develop practice/advocacy components. Emphasis is given to policy practice issues that address economic and social justice, diversity, populations at risk, and ethics and values. Prerequisite: SOWK 5115.

5550. Child Welfare Services. 3. Examines issues of child and family welfare in the context of national, state, and local policy and practice. Social and economic justice are examined as they relate to interventions with children and families. Dual listed with SOWK 4550. Prerequisite: admission to advanced standing or SOWK 5100 and 5200.

5600. Advanced Generalist Practice. 3. Teaches advanced generalist practice theories and skills for work with individuals and families in the context of their environment. Engagement, assessment, intervention and evaluation skills will be assessed. Issues of ethics, rural practice, and diversity are addressed throughout the course. Prerequisites: SOWK 5310 and SOWK 5060.

5700. Advanced Theories and Practice with Children and Families. 3. Advanced application of generalist problem-solving theories and skills in working with individuals and families in the context of their environment. Issues of ethics, rural practice, diversity, and evaluation of practice addressed throughout the course. Prerequisite: successful completion of foundation courses in the MSW program or SOWK 5495 and 5499; successful completion or concurrent enrollment with SOWK 5600.

5705. Social Work Leadership, Management, and Administration. 2. Focuses on theories and skills for leadership, management, and administration in social work practice. Study of models and best practices, as well as skill development, will move the student toward the leadership and management competencies to be mastered. Prerequisites: SOWK 5060, SOWK 5310.

5715. Supervision and Ethics in Social Work Practice. 2. Students learn about the roles and functions of the supervisor and examine the supervisee and supervisor relationships in the supervision process. Examines ethics that are important to address in advanced generalist social work practice, including ethical issues in the supervision experience. Prerequisite: SOWK 5705.

5720. Advanced Generalist Rural Practice. 3. Emphasizes advanced understanding and application of models of rural community practice for promotion of well-being of client systems. Rurality and diversity/difference will be highlighted in this course. Models taught are appropriate to the social work profession, based on ethical considerations, cultural competency, and the strengths perspective. Prerequisite: SOWK 5600.

5740. Social Work Research Applications: Proposal Preparation. 1. Application of research methods in the development of a proposal for a thesis or non-thesis, Plan B paper. Options include a proposal for developing a program and completing a grant proposal, a proposal for an original research project or a proposal for an integrative research-based literature review. Prerequisites: must have completed Foundation level course work; or be admitted to the Advance Standing Program and have completed SOWK 5495.

5750. Practice Evaluation: Small System Design. 1. This research-informed practice course focuses on the theory and use of small system design research to evaluate one’s social work practice. Prerequisite: SOWK 5400.

5755. Practice Evaluation. 1-12 (Max. 12). Students complete a non-thesis Plan B practice evaluation paper of quality, working with a committee structure. Must complete a minimum of two credit hours of 5755. Prerequisite: SOWK 5750.
5795. Rural Health Care Seminar. 3. Examines social work and rural health and medical care for individuals, families and larger systems through policy, practice, and research. Includes a focus on the health and health care of older adults. Prerequisite: consent of instructor, graduate standing, participation in WYO HealthCARE Inter-disciplinary rural training grant.

5800. Advanced Seminar in Social Work. 1-3 (Max. 15). Consideration of special topics of current interest in social work. May be repeated for a maximum of 15 hours when the topic of the seminar is different. Prerequisite: graduate standing and consent of instructor.

5810. Working with Children and Families in the Schools. 3. Enhances knowledge, skills, and values of the generalist social worker serving children of diverse backgrounds and their families in the school and its environment, preparing the social worker for a leadership role in a rural school setting. Prerequisite: graduate standing.

5820. School Social Work. 1. Builds on the skills developed in SOWK 5810, advancing the knowledge, values and skills necessary for school social work. Students integrate observations of school social work settings with theory and practice, and personal evaluation, within this seminar. Public school law and policy are highlighted. Prerequisite: successful completion of SOWK 5810.

5850. Field Practicum III. 6-12 (Max. 12). Provides advanced generalist social work practice experience in a community human service organization. Emphasizes core competencies and advanced generalist practice behaviors in social work ethics, values, theory, skills, practice and research in relation to social work with individuals, groups, families, organizations, and communities. Prerequisites: SOWK 5460; taken concurrently with SOWK 5585.

5855. Advanced Generalist Social Work Competency. 2-8 (Max. 8). Seminar supports the advanced year MSW student’s experience in the field practicum. Taken concurrently with SOWK 5850. Prerequisite: SOWK 5120; taken concurrently with SOWK 5850.

5881. International Social Welfare and Social Development. 3. Examines the basic framework of social welfare analysis and social development programming in the international arena, employing a multinational comparative analysis approach to explore the wide array of responses to social need across the globe. Students employ multinational comparative analyses to an area of social concern. Dual listed with SOWK 4881; cross listed with INST 5881. Prerequisite: POLS 1000; ECON 1010 recommended.

5887. American Indian Health. 3. Studies the impact of federal policy on development of American Indian Health programs and the current status of American Indian health. Prerequisite: admission into graduate program.

5920. Continuing Registration: On Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5940. Continuing Registration: Off Campus. 1-2 (Max. 16). Prerequisite: advanced degree candidacy.

5950. Interpers Cnsl. 3.

5959. Enrichment Studies. 1-3 (Max. 99). Designed to provide an enrichment experience in a variety of topics. Note: credit in this course may not be included in a graduate program of study for degree purposes.

5960. Thesis Research. 1-12 (Max. 24). Graduate level course designed for students who are involved in research for their thesis project. Also used for students whose course-work is complete and are writing their thesis. Prerequisite: enrollment in a graduate degree program.

5975. Independent Study. 1-3 (Max. 3). In-depth exploration of a social work topic in consultation with a social work faculty member. Prerequisite: consent of instructor.

Wyoming Institute for Disabilities (WIND)

147 Health Sciences Building, 766-2761
FAX: (307) 766-2763
Website: www.uwyo.edu/wind
Executive Director: William E. MacLean, Jr., Ph.D.

Professor: WILLIAM E. MACLEAN, JR, B.S. Emory University 1976; M.S. Vanderbilt University 1978; Ph.D. 1980; Professor of Psychology 1998, 1996.

Assistant Professor: MICHELLE JARMAN, B.A. University of California at Berkeley 1989; M.A. Northern Michigan University 2000; Ph.D. University of Illinois at Chicago 2006; Assistant Professor of Disability Studies 2007.


W. DAVID SCHAAD, B.S. Utah State University 1984; M.H.R. University of Oklahoma 1988; Assistant Lecturer 2004.


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Peg Brown-Clark, Director, Special Education Unit, Wyoming Department of Education

Shannon Buller, Executive Director, Governor’s Planning Council on Developmental Disabilities
Mary Comin, Accountant, WIND
Kendall Corbett, Coordinator, Consumer Activities, WIND
Dorothy Worrell, Executive Director, Brain Injury Association of Wyoming
Deborah Fleming, Clinical Professor of Geriatrics, College of Health Sciences
George Garcia, Self-Advocate
Jeff Gardner, Vice President, ARK Industries and Rehabilitation Center
Richard Leslie, Self Advocate
Jim McIntosh, Administrator, Division of Vocational Rehabilitation, State of Wyoming
Chris Newman, Administrator, Developmental Disabilities Division, State of Wyoming
Lori Regnier, Advocate, Protection and Advocacy Systems, Inc.

The Wyoming Institute for Disabilities (WIND) is part of a national network of University Centers of Excellence in Developmental Disabilities Education, Research and Service (UCEDD). These centers provide a broad array of interdisciplinary academic, clinical, and research experiences of people with disabilities—particularly developmental disabilities. A wide variety of disciplines contribute to the study of disabilities.
WIND courses examine the historical, cultural, and contemporary experiences of people with disabilities from an interdisciplinary developmental perspective. Students will gain knowledge of the purpose that education, technology, and community supports play in the lives of people with disabilities. This program is intended to complement the degrees of those who also have an interest in disability issues.

WIND offers a disability studies minor which is an interdisciplinary approach to examining the interplay between the lived experience of disability and the social construct of disability. The minor provides a balance between theory and practical hands-on application. Students will gain a broad understanding of disability issues, rather than specific disciplinary skills and techniques. The minor consists of 18 credit hours. Specific information about the disability studies minor may be obtained by calling (307)766-5060 or visiting the WIND office located in the Health Sciences Building, room 147.

Learning Outcomes

We expect that students who complete the Disability Studies minor will have:
- Improved understanding of contextual and cultural issues surrounding disability;
- Improved understanding of the history of disability movements, including legislation, litigation, laws, and protests;
- Improved skills in working with individuals with disabilities;
- Increased knowledge of types and causes of various disabilities;
- Improved knowledge of local, state, and national supports and services available to people with disabilities;
- Increased knowledge of the impact of disability within families and recognition of family strengths and resources;
- Increased knowledge of the careers related to working with people with disabilities;
- Increased understanding of the impact of cultural and personal attitudes toward disabilities.

Wyoming Institute for Disabilities (WIND)

USP Codes are listed in brackets by the 1991 USP code followed by the 2003 USP code (e.g. [M24Q8]).

2100. Introduction to Disability Studies. 3. [(none)CH, D] Provides students with an overview of the disability studies field. Students gain introductory knowledge about the disability studies perspective by examining the work of scholars from many academic backgrounds, which will facilitate students’ understanding of the interdisciplinary nature of disability studies. Prerequisite: none.

2500. Topics in ______. 1-3 (max. 6). Provides students with the opportunity to gain introductory knowledge by examining various topics in the field of Disability Studies. Prerequisite: Consent of instructor.

2700. Gender and Disability. 3. [(none)D] Disability studies draws upon critical theory to investigate disability as a discursive construction. Investigates how intersecting conceptions of disability and gender have shaped cultural meanings and the social positioning of specific groups, especially women with disabilities. Topics include non-normative embodiment, issues of representation and subjectivity, and the politics of health, sexuality, and care. Cross listed with WMST 2700. Prerequisites: none.

3160. Disability Civil Rights Movements. 3. Provides a review and analysis of the various disability rights movements in the US and the social changes that have resulted from these movements. This includes the early roots following the French Revolution through the protest era of the 1960s to present efforts to change federal policy. Prerequisites: past or concurrent enrollment in SOC 100 or WIND 2100.

4020. Disability Studies Theory and Practice. 3. [(none)CS] Explores the interdisciplinary nature of disability studies, which investigates the embodied experience of disability as well as culturally constructed meanings and belief systems that function to stigmatize, oppress, liberate, or otherwise impact people living with illness and disability. Students will develop interdisciplinary research questions, paying particular attention to sociological realities. Dual listed with WIND 4020; cross listed with SOWK 4020. Prerequisite: WIND 2100 or WB.

4050. Independent Study. 1-3 (Max. 6). Offers the advanced student the opportunity to pursue a topic of interest with the direction of an instructor in disability studies. Dual listed with WIND 5050. Prerequisite: WB and consent of instructor.

4500. Practicum. 3. Provides students practical experience in the field of Disability. Typically taken during a student’s final semester in the Disability Studies Minor. Prerequisite: completion of WIND 2100, and WIND elective, WIND 4020 (or concurrent enrollment).

4990. Topics in ______. 1-3 (max. 12). Provides upper division/graduate students with the opportunity for critical analysis and in-depth examination of various topics in the field of Disability Studies. Prerequisite: consent of instructor.

5020. Disability Studies Theory and Practice. 3. Explores the interdisciplinary nature of disability studies, which investigates the embodied experience of disability as well as culturally constructed meanings and belief systems that function to stigmatize, oppress, liberate, or otherwise impact people living with illness and disability. Students will develop interdisciplinary research questions, paying particular attention to sociological realities. Dual listed with WIND 4020; cross listed with SOWK 5020. Prerequisite: WIND 2100 or WB.

5050. Independent Study. 1-3 (Max. 6). Offers the advanced student the opportunity to pursue a topic of interest with the direction of an instructor in disability studies. Dual listed with WIND 4050. Prerequisite: WB and consent of instructor.

5100. Topics. 1-3 (Max. 12). Provides graduate students with the opportunity for critical analysis and in-depth examination of various topics in the field of Disability Studies. Prerequisite: upper division/graduate standing.

5990. Graduate School Internship. 1-12 (Max. 24). Provides graduate students with the opportunity for internship experiences within the disability field.