

# Southwest College of Naturopathic Medicine & Health Sciences

## 2001 - 2002 General Catalog

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Southwest College is a tax-exempt, not-for-profit corporation accredited by the Council on Naturopathic Medical Education and approved to offer degrees by the Arizona Naturopathic Physicians Board of Medical Examiners and the Arizona State Board of Private Post-secondary Education as described herein. Inquiries concerning educational standards or school compliance may be directed to the Council of Naturopathic Medical Education (CNME) and/or the Arizona State Board of Private Post-secondary Education. The CNME guidelines can be found in the College Library. The CNME can be reached at P.O. BOX 11426, Eugene, Oregon 97440-3626, (541) 484-6028.

Southwest College does not discriminate on the basis of race, sex, religion, age, national or ethnic origin, sexual orientation or marital status in the administration of educational policies, admission policies, financial aid, employment or any other program or activity.

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...deliver an education grounded in naturopathic principles, yet well integrated in the modern health care system.

## Welcome from College President, Paul Mittman, N.D.

Throughout my twenty years in naturopathic medicine, I've been privileged to be a part of our profession's tremendous growth. With this progress, however, comes new responsibilities and challenges, both in the art and the business of medicine. I joined Southwest College of Naturopathic Medicine four years ago, to help prepare a new generation of students to become successful naturopathic physicians.

Southwest College serves humanity by training the best naturopathic physicians, and is a vehicle for transforming health care in our country. Our success rests not in the size of our faculty, library or student body, but is based on the sum of individual and collective accomplishments of our graduates and their positive impact on our society's health. The information contained in this catalog, gives you a glimpse into an institution that is setting new standards in naturopathic medical education, to help our graduates achieve those successes.

While this catalog contains a great deal of important information about the institution, you have to read between the lines to understand the character, the heart and soul of Southwest College. When a student enrolls, she or he is committing four years of time, energy and funds to become skilled in the healing arts and trained to help patients for many years to follow. The College assumes responsibility to deliver an education grounded in naturopathic principles, yet well integrated in the modern health care system; taught by instructors with years of experience, yet open to technological innovations in learning; and focused on the art of medicine while not ignoring the business of practicing medicine.

Southwest College is a dynamic learning organization, comprised of individuals who are continuously improving their skills and an institution devoted to creating a state of the art learning environment. The foundation of the Southwest College experience is our dedicated and innovative faculty. Our instructors excel in the classroom, bringing together their subject knowledge with new teaching and learning technologies such as smart classrooms, web based resources and on-line notes and class materials.

Clinical rotations are a vital step toward becoming a successful physician. At Southwest College this means participating in the care, and ultimately assuming increasing levels of responsibility for hundreds of patients with diverse health problems. Under the supervision of our full time faculty, and over one hundred naturopathic physicians, medical doctors, and osteopaths in community medical centers, hospitals, nursing homes and private practices, the Southwest College clinical experience is one that transforms students into doctors. While the pace of learning is ninety percent incremental, with the edifice of knowledge built brick by brick, some of the courses and clinical rotations described in the catalog will hold revelatory moments of understanding and comprehension that elevate the learning experience as well as predict similar transcendent encounters as practitioners. Read through some of the course descriptions and see if you can envision the essence of these classes and clinical rotations.

The catalog also describes student affairs offices, policies and student government, essential components of student life. In addition to engaging in challenging and enriching learning experiences, students will be surrounded by classmates with shared ideals and professional dreams. The friendships and professional relationships that will grow out of these four years will be among the deepest and most rewarding in our students' lives.

Southwest College's catalog publishes our mission, a statement representing our duty to deliver the best naturopathic medical education possible. Equally important is our commitment to utilize College resources to impact the healthcare system in such a way that we create better professional opportunities for our graduates. In essence, this catalog epitomizes a purpose that all of us at Southwest College consider a labor of love and service to humankind.

Paul Mittman, N.D., D.H.A.N.P.  
President

**Academic Calendar** Southwest College of Naturopathic Medicine & Health Sciences (hereafter referred to as Southwest College) offers three eleven-week quarters and one ten-week quarter.

**Fall Quarter 2001**

- Aug. 22-24 New Student Orientation
- Aug. 23-24 New Student Registration
- Aug. 27 Fall Quarter Begins
- Aug. 27-31 Intensives Week
- Sept. 3 Labor Day Holiday - College Closed
- Sept. 4 Ten-Week Courses Begin
- Oct. 15-19 Winter Quarter Registration
- Nov. 5-9 Final Exams
- Nov. 9 End of Fall Quarter

**Winter Quarter 2001/2002**

- Nov. 12 Winter Quarter Begins
- Nov. 12-16 Intensives Week
- Nov. 19-25 Thanksgiving Holiday Recess
- Nov. 26 Ten-Week Courses Begin
- Dec. 16 Graduation Ceremony
- Dec. 22-Jan. 6 Holiday Recess
- Jan. 7 Classes Resume
- Jan. 21 MLK Holiday - College Closed
- Jan. 22-26 Spring Quarter Registration
- Feb. 11-15 Final Exams
- Feb. 15 End of Winter Quarter
- Feb. 18-22 Recess

**Spring Quarter 2002**

- Feb. 20-22 New Student Orientation
- Feb. 21-22 New Student Registration
- Feb. 25 Spring Quarter Begins
- Feb. 25-Mar. 1 Intensives Week
- Mar. 4 Ten Week Courses Begin
- Apr. 15-19 Summer Quarter Registration
- May 6-10 Final Exams
- May 10 End of Spring Quarter
- May 13-17 Recess

**Summer Quarter 2002**

- May 20 Summer Quarter Begins
- May 20 Ten Week Courses Begin
- May 27 Memorial Day Holiday - College Closed
- June 10-14 Senior Completion Week
- July 4 Independence Day - College Closed
- July 8-12 Fall Quarter Registration
- July 22-26 Final Exams
- July 26 End of Summer Quarter
- July 27 Graduation Ceremony
- July 29-Aug. 18 Summer Recess
- Aug. 14-16 New Student Orientation
- Aug. 15-16 New Student Registration
- Aug. 19 Fall 2002 Quarter Begins

*\*calendar is subject to change - contact Enrollment Office*

**Location** The Southwest College campus is located in Tempe, Arizona, a sophisticated city of culture and learning. Southwest College shares the city of Tempe with Arizona State University, thereby providing our students with a rich college atmosphere and an abundance of affordable housing, research opportunities and entertainment resources. The Southwest Naturopathic Medical Center is located only five miles north of the college campus in Scottsdale, Arizona. The health-oriented Southwest is ideally suited to exposing students to a wide variety of health-care alternatives.

Prospective students are invited to visit the college campus and Medical Center to sit in on a class, visit a clinical training shift and make an appointment to speak with an Enrollment Representative (Office hours: Monday-Friday 8:00-5:00).



**Location Map**  
Tempe AZ

**College Leadership**

**Board of Trustees**

- Klee Bethel, M.D., Chair
- Jonathan Feldman, Esq., Vice Chair
- Douglas Hawes, Treasurer
- Nick Buratovich, N.M.D., Secretary

- |                            |                      |
|----------------------------|----------------------|
| Sheila Myers, N.D., L.Ac.  | Paul Mittman, N.D.   |
| Mark Mumford               | Anthony Prato, Ph.D. |
| Jack Daugherty, D.C., N.D. | Douglas Grant        |
| Matthew Harty, D.C.        | Jonathan Kalman      |
| Craig Connors              |                      |

**College and Medical Center Administration**

- Paul Mittman, N.D., D.H.A.N.P., President
- Necia Bailey, Vice President of Development
- Vicki Crowell, Student Affairs Officer
- Holly Giffen, Chief Financial Officer
- Konrad Kail, N.M.D., Research Institute Director
- Thomas Kruzel, N.D., Chief Medical Officer/Dean-Clinical Training
- Kareen O'Brien, N.D., Director of Naturopathic Medicine
- Douglas Poorman, Ph.D., Chief Academic Officer
- Melissa Winquist, M.A., Enrollment/Public Affairs Director

**Southwest College Student Government Association**

- |                             |               |
|-----------------------------|---------------|
| Student Body President      | Mike Smith    |
| Student Body Vice-President | Jeff Knytych  |
| Student Body Secretary      | June Stevens  |
| Student Body Treasurer      | Gail Gluckman |

**Our Mission/Vision** To prepare students to become naturopathic physicians educated and trained in the principles and practice of naturopathic medicine. To serve the public by providing quality education, research and natural medical care in the science and art of health promotion, disease management and prevention based upon these principles.

## Objectives

¥ To offer degree, certificate and continuing-education programs in medical and health-care education and training which have strong basic science foundations and clinical relevance, which integrate theory and practice, which define competencies and outcomes, and which promote the development of skills and the enhancement of the practice of natural medicine.

¥ To serve the public by delivering quality care which promotes, restores and/or maintains health using a full range of services and educational programs.

¥ To serve the community as a whole through research and evaluation focusing on clinical, educational and outcome-related areas which optimize health, foster prevention and promote effective and affordable therapeutics and interventions.

¥ To provide information, education and public awareness about natural and preventative medicine options through such avenues as written publications, seminars, workshops, conferences and the media.

¥ To actively participate in the community to provide health-care services to a wide variety of populations and to encourage natural, complementary and integrative health care.

¥ To support student growth and professional development by encouraging student leadership and involvement, to recognize the worth and value of individuals and the College community, and to provide students with services and programs that foster success and achievement.

¥ To provide qualified, prepared, supportive faculty who, with necessary resources and technology, offer students positive learning opportunities and an interactive, goal-oriented teaching and learning environment.

¥ To build and maintain a sound organization, housed in optimal facilities and supported by a strong academic community working toward a thought-provoking, innovative and secure learning environment.

¥ Finally, to build a profession of leaders who are skillful and successful practitioners, who have respect and tolerance, constructively communicate and collaborate, and pursue opportunities to promote the disciplines within natural and preventative medicine.

**College Community** Southwest College is located in Tempe, Arizona just outside Phoenix. The campus is situated in a quiet neighborhood surrounded with beautiful landscape, including palm trees, native desert plants and shaded picnic areas. The large John F. Long auditorium, named after a local philanthropist and donor to the college, provides space large enough to hold

all-school meetings and can be divided into smaller classrooms to accommodate daily classes.

Southwest College is on the cutting edge of technology in the classroom. Rooms are equipped with multi-media LCD, video and internet access to enhance student and instructor course experience. Online course notes and information are also available to students as an additional resource. Computers and software are available for student use in the College Library and at the medical center.

Founded principally by doctors Michael and Kyle Cronin, Southwest College is one of only four recognized schools of naturopathic medicine in the U.S. It is also the first medical school in the metropolitan Phoenix area.

Southwest College is poised to meet the demand for naturopathic physicians well into the future. The college has already become a respected source of information in the natural health care field. The Administration continues to make a concerted effort to recruit and maintain a talented, high-quality faculty and staff.

## Southwest College Research Institute

The Southwest College Research Institute (SCRI) plays a vital role in the College's academic environment. The mission of the Institute is to serve the public by conducting and promoting research on natural therapies and medicine, and by advancing knowledge of issues surrounding research in natural medicine. The Institute provides a full range of research and informational services to support experimental, developmental and outcomes based research. Collaboration with other institutions and professionals is fostered through inter-collaborative studies.

The Institute provides assistance to students and faculty in their research endeavors. Students may participate in studies which offer them opportunities to gain experiences in testing protocols and practices and to fulfill required research competencies.

### Selection of SCRI Projects in Development:

*Monascus urpureus* and hypercholesterolemia.

Exogenous reduced glutathione on erythrocyte glutathione and plasma lipid peroxidation.

Colostrum and immunomodulation of healthy men and women.

Role of complementary and alternative medicine in alcohol and drug rehabilitation.

Diet self-help course on the outcomes of patients with rheumatoid arthritis.

Complementary and alternative therapy in advanced cancer patients.

Complementary and alternative therapy in advanced HIV/AIDS pts.

## The Southwest Naturopathic Medical Center

The Southwest Naturopathic Medical Center (SNMC) is the largest and most complete naturopathic medical center in Arizona and, in addition to providing community healthcare services, operates as the multi-disciplinary, primary-care training facility for Southwest College. Centrally located in Scottsdale, near Phoenix, Mesa and Tempe, the Medical Center ensures a wide diversity of patient populations. The facility is open six days a week and is located approximately five miles from the main campus.

The Medical Center provides a wide range of treatments for both acute and chronic health conditions. Services provided involve patient evaluation and treatment with a full range of natural therapeutics and modalities. Naturopathic physicians practice alongside various practitioners and acupuncturists and are assisted by students in clinical training.

The Medical Center houses several specialty treatment rooms in addition to those available for general patient use. Specialty rooms include those used for minor surgery, intravenous (IV) therapy, hydrotherapy, homeopathy and colonic therapy. The facility also includes the Department of Physical Medicine, a laboratory, an education room, and the Natural Medicinary.

Finally, the New Medical Center also embodies true health and environmental consciousness with all natural carpet fibers, recycled materials and non-toxic paint and building materials. This "green clinic" sets a good example for clinical training students and patients.

## Southwest College Library

The mission of the SCNM Library is to support the curriculum, enhance the College learning environment, and help to complete the larger institutional mission of both conventional and naturopathic medical education, patient care and research. The Library provides the campus community with books, journals and other information resources; teaches bibliographic and other research skills; and provides the larger community with a major medical information resource. To help maintain and facilitate regular ongoing communication, there is both a Student and a Faculty Library Committee.

SCNM Library's cataloged holdings include 3,800 items, 1,300 of which are audio cassettes of professional conferences, seminars and workshops. The Library receives approximately 145 journal titles and has several hundred videos. Other resources housed at the Library include an extensive collection of audio cassette recordings of previously held classes and other campus presentations. The Library has books, journals and other information resources on topics such as: methods of

medical diagnosis, women's health, botanical medicine, traditional oriental medicine, homeopathy, mind-body medicine and physical medicine.

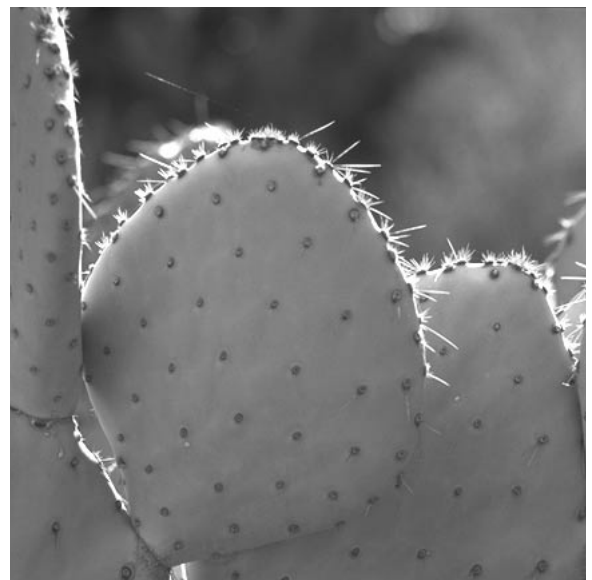
The Library is affiliated with various professional organizations, including Central Arizona Biomedical Libraries (CABL), Medical Library Group of Southern California and Arizona (MLGSCA), College and Research Libraries (CRL), Special Library Association (SLA) and the American Library Association (ALA). Through these memberships and other agencies, the library can borrow or obtain copies of materials not available on-site for students and faculty through inter-library loan.

The resources at the Library are available for use by all campus community members and all alumni living within the Phoenix metropolitan area. Unaffiliated adults may use the Library's resources on site, with the exception of the computer workstations, or they may purchase a community borrower's card at the Library. The library is open six days a week. Please call 480.858.9100 ext. 247 for hours.

**Computer Center** SCNM Library and Southwest Naturopathic Medical Center have state-of-the-art computer workstations with standard business applications, access to the Internet and approximately 1,000 customized Netscape bookmarks to help meet the campus community's ongoing on-line information and research needs.

## Southwest College Alumni Association

The mission of the Alumni Relations Office is to foster and promote positive relations between the College and its alumni through social, informational and educational opportunities.



## Academic Program: An Overview

Southwest College offers one degree program—Doctor of Naturopathic Medicine. A limited number of residency programs are also available.

## Doctor of Naturopathic Medicine

The curriculum at Southwest College is designed to meet the needs of students while providing unique and innovative qualities that enhance the naturopathic medical education offered. The program exceeds the minimum required clock hours of instruction.

The College's curriculum is designed to:

- ✘ Provide a strong basic science foundation on which to build clinical skills.
- ✘ Create caring physicians with competent diagnostic abilities.
- ✘ Develop student skills in the application of the traditional naturopathic therapies and medicine.
- ✘ Provide the necessary business skills for naturopathic physicians to start their own practices and interact effectively with insurance companies, government agencies and licensing boards.

The Naturopathic Doctorate (ND) degree program is organized into academic years comprised of three quarters each (see below). For the purposes of financial aid, an academic year is a sequence of three quarters. The calendar year, which is not to be confused with the academic year, is four quarters. The ND program is designed to be completed in four calendar years.

Fall, winter, and spring quarters are eleven weeks each. The summer quarter is ten weeks. For the 2001-2002 academic year, the sixteenth quarter will be nine weeks for graduating students to allow them to be eligible to take the NPLEX examination. Though the total number of years to complete the ND program may vary according to a student's need, the program must be completed within six calendar years.

### First Academic Year

The first academic year (quarters 1-3) is composed of basic science curriculum in the study of normal structure and function of the body, including Anatomy, Physiology, and Biochemistry. Introductory courses in naturopathic modalities and history and philosophy of naturopathic medicine are included.

### Second Academic Year

The second academic year (quarters 4-6) continues the basic science curriculum through focus on the body's pathological transitions through disease, along with clinical recognition of these processes using physical, clinical, and lab diagnostics. Courses continue in the naturopathic modalities, research and mind/body medicine.

### Completing Academic Years

The senior academic years are also done in three quarter academic year models (quarters 7-14). Clinical methods of naturopathic medicine are presented in preventative medicine, pediatrics, geriatrics, gynecology, obstetrics, physical medicine, neurology, endocrinology, cardiology, pulmonology, urology, dermatology, immunology, case management, IV therapy and practice management. A decreased amount of didactic hours and a focus almost entirely on clinical training occurs in the final academic year of the program.

Upon completion of the graduation requirements, the student is awarded a Doctor of Naturopathic Medicine degree (N.D.). Students are educated to become primary-care physicians with a specialized focus in preventive medicine and natural therapeutics.

**Residency Program** Training the future leaders of the naturopathic profession is the goal of the residency program at Southwest College. To that end, Southwest College has developed the most integrated and unique residency program available to naturopathic medical school graduates. The program exposes residents to private practice, community clinic, research, and teaching environments. In addition, affiliation agreements with area hospitals and medical clinics allow Southwest College residents access to hospital facilities, including the emergency room.

The residency program provides broad-based training in diagnostic and treatment strategies, patient management, case presentation, public speaking, teaching, student supervision and research. The first-year resident is closely supervised, becoming more autonomous as skills develop; the second-year resident takes a leadership role in the development of new programs and research. Arizona law requires that a physician must hold an Arizona license before becoming a resident.



## Track Program

The Doctor of Naturopathic Medicine Program at Southwest College follows a prescribed curriculum (see program of study, page 22). All students are expected to follow the curriculum as outlined in the College catalog in effect at the time of their entry into the program. Students may not take classes ahead of their program. Students are not allowed to attend, nor will credit be awarded, for courses for which they are not registered. Students will not be allowed to have concurrent enrollment or register for courses for which they do not have prerequisites or co-requisites. If a student stays on track with the program, taking all courses as they are offered on the curriculum in the catalog, he/she can expect to graduate in 16 quarters. Taking a leave of absence, failing classes, or taking fewer courses than the prescribed curriculum will result in a program length extending beyond 16 quarters.

## Decelerated-Track Schedules

Occasionally it is necessary for students to extend their program due to academic or personal issues. These students need to obtain a decelerated-track schedule request form from the Registrar and have it signed by the appropriate personnel to be placed on a decelerated-track schedule. Once on a decelerated-track schedule, the student must meet quarterly with the Student Records Coordinator during registration. Students will not be allowed to have concurrent enrollment or register for courses for which they do not have the required prerequisites or co-requisites. Directed study may not be applicable. Decelerated-track schedules may also be necessary for students returning from a leave of absence or for students making up courses. Students on decelerated-track schedules will have delays in clinical entry and graduation.

## Non-Degree Enrollment

Those who do not plan to apply to a degree program are classified as non-degree and may apply by completing a brief form in the Registrar's Office and pay the appropriate fee (See Tuition/Fee schedule, page 40).

Through non-degree status, an individual may enroll for a maximum of 40 lecture contact hours per quarter. A maximum of 120 hours completed as non-degree status may be used for transfer or for fulfilling degree requirements.

Courses available for non-degree enrollment will be taken for a grade and require completion of all course requirements. Non-degree enrollees are ineligible for financial aid. An individual denied admission cannot attend as non-degree. Individuals will be considered for non-degree on a space available basis.

## Academic Accreditation

The Arizona State Board of Private Post-secondary Education granted a license to the College as a degree-granting institution in April 1994. Southwest College is accredited by the Council on Naturopathic Medical Education (CNME), the accrediting agency for naturopathic colleges and programs in the U.S. and Canada. A copy of the CNME Handbook for Accreditation for Naturopathic Medical Colleges and Programs is on reserve in the college library. For additional information please contact the Council on Naturopathic Medical Education, P.O. Box 11426, Eugene, OR 97440-3626 phone 541.484.6028.





**Admission** Southwest College offers a program resulting in a Doctor in Naturopathic Medicine degree. Southwest College attracts high-caliber students who exhibit motivation, intelligence, perseverance and the potential to become excellent practitioners. Applicants are considered on the basis of academic performance; occupational history; professional potential; level of maturity; concern for others and previous experience with, and knowledge of, natural medicine.

Note: all coursework is reflected in semester credits. Each semester credit = 1.5 quarter credits.

Area	Semester Credits	Notes
Biology	12	Courses with lab, for science majors
Chemistry	12	8 credits in General chemistry (courses with lab, for science majors) 4 credits in Organic Chemistry (lab course)
Psychology	6	Developmental Psychology recommended
English	6	3 credits in English Composition required
Humanities	6	Philosophy, Art, History, Foreign Language, Religion & Women s Studies may be used.

**Application Procedure** Prospective students who wish to enter the N.D. program must complete the following application materials and meet all admission requirements:

1. Application
2. Non-refundable application fee
3. Three letters of recommendation mailed directly to College
  - ¥ one academic
  - ¥ one occupational
  - ¥ one healthcare/personal
4. Official transcripts from all post-secondary institutions attended
5. Essays
6. Admission prerequisite requirements
7. Personal interview

International applicants must also satisfy additional requirements:

8. International transcript evaluation (For all work completed in a foreign country)
9. Satisfy visa application requirements by completing a financial guarantee form and proving adequate financial resources to cover anticipated cost of study.
10. Southwest College reserves the right to require international applicants, whose first language is not English, to take the Test of English as a Foreign Language (TOEFL) exam. (See information under International Applicants)

In addition to the prerequisite courses, highly recommended coursework includes Physics, Medical Terminology and Biochemistry.

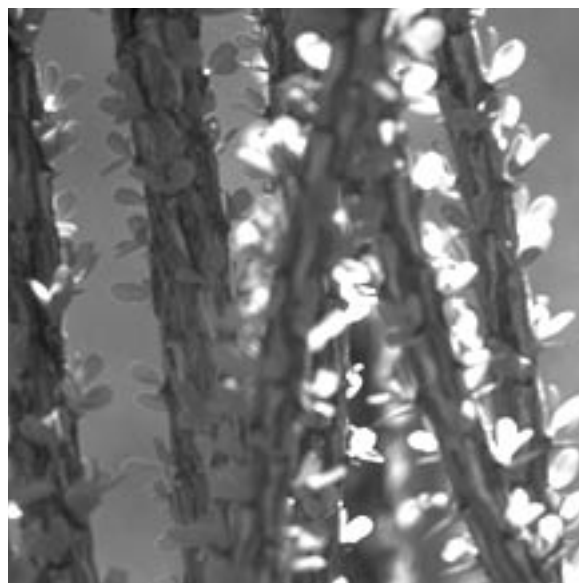
**CLEP Examinations Accepted** Applicants for admission may substitute the College Level Examination Program (CLEP) exam(s) for select prerequisites as listed below. Information regarding CLEP can be obtained from CLEP, P.O. Box 6600, Princeton, NJ 98541-6600, 609.771.7865. To report examination scores to Southwest College, use the score report code #7563. An official score from the College Board/CLEP must be mailed directly to the College.

Examination	Minimum Score Required	Credit Equivalent
(ENG) Freshman College Composition	44	6 semester credits
(PSY) Human Growth and Development	45	3 semester credits
(PSY) Intro. to Ed. Psychology	47	3 semester credits
(PSY) Intro Psychology	47	3 semester credits

**Admission Prerequisites** Additional admission requirements for students entering the Naturopathic Medicine Program in the 2001/2002 catalog year are as follows:

1. Completed a baccalaureate degree (or equivalent) at an accredited or candidate college or university
2. A minimum GPA of 2.5 in all post-secondary work
3. Completed all prerequisite coursework with a preferred GPA of 3.0

**Prerequisite Coursework** The following coursework must be completed at an accredited or candidate college/university prior to matriculation into the N.D. program. Applicants with science courses older than 10 years must demonstrate competency to the Enrollment Office and will be evaluated on an individual basis.



## Required Abilities for Admission

Southwest College is committed to providing equal opportunity for all applicants. The American Association of Medical Colleges provides the following guidelines to ensure that prospective students have the physical and mental capabilities to perform the required duties of a naturopathic medical student and a physician.

An applicant for the naturopathic medicine program must be able to demonstrate appropriate observational and communication skills, motor function, intellectual-conceptual, integrative and quantitative abilities, and behavioral and social maturity. Technological compensation must be made for some disabilities in some areas, but an applicant should be able to perform in a reasonably independent manner.

**Observation:** Requires the ability to observe demonstrations and experiments in the basic sciences, and be able to observe a patient accurately at a distance and close at hand. Observation necessitates the functional use of the sense of vision and somatic sensation, enhanced by the functional use of smell.

**Communication:** Requires the ability to perceive and describe non-verbal communications: to speak, to read, to write, to hear, and to observe patients in order to elicit information. Requires the ability to communicate effectively and sensitively with patients and to communicate effectively and efficiently in oral and written form with all members of the health care team.

**Motor:** Requires sufficient motor function to elicit information from patients by palpation, auscultation, percussion, and other diagnostic maneuvers. A candidate should be able to do basic laboratory tests, carry out diagnostic and therapeutic procedures and read ECGs and x-rays. Be able to execute motor movements reasonably required to provide general care and emergency treatment to patients.

**Intellectual-Conceptual:** These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving, a critical skill demanded of physicians, requires all of these intellectual abilities.

**Behavioral and Social Attributes:** Requires the emotional health demanded for full utilization of his/her intellectual abilities; the exercise of good judgement; attending responsibilities of treating a patient; and development of mature, sensitive and professional relationships with patients.

**Applicants with Disabilities** Southwest College does not discriminate against individuals with disabilities. Under the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973,

individuals with physical or learning disabilities are guaranteed certain protections and rights of equal access to programs and services.

Persons with disabilities who meet the required abilities and all academic qualifications for admission are encouraged to apply for admission. A request for accommodations must be submitted to the Student Affairs Office prior to matriculation. Students with disabilities who require personal assistance must make appropriate arrangements before the beginning of each quarter. To ensure a smooth transition into the college community, prospective students with disabilities should contact the Student Affairs Office.

**Admission Decision** The Admission Committee will make the final decision regarding an applicant's admission. The decision may be one of the following:

- ¥ Full Admission (All admission requirements are met)
- ¥ Provisional Admission (Must meet admission requirements prior to matriculation)
- ¥ Placement in the Pool (Admission decision to be reviewed by Admission Board)
- ¥ Denial

The Admission Committee notifies the applicant in writing of the decision. Accepted applicants must remit a non-refundable \$300 deposit by the date stipulated in the acceptance letter to hold a place in the class. The deposit is credited toward the first quarter's tuition. All application files are the property of Southwest College and cannot be returned. The College reserves the right to admit or reject applicants at its sole discretion, at any point during the admission process.

Applicants who do not meet the basic admission requirements or who have been denied admission by the Admissions Committee may appeal one time in writing to the College Admissions Board. A detailed description of the appeals process can be obtained from the Admissions Office.

**New Student Orientation** An orientation program is conducted for all new students. Attendance is mandatory. Orientation is a three-day process, during which faculty and staff members review expectations, policies and learning opportunities with the new class. A welcoming ceremony begins with students announcing their names and pinning their hometown location on a map. A symbolic water ceremony is featured in which students give thanks to crystallize their positive entrance into the College community. Students come to Southwest College from all over the world and the orientation program is a great way to begin a positive learning experience.

## Admission Before Receipt of Final Transcript

Students enrolled in other colleges/universities are considered for admission on the basis of meeting all admission requirements prior to matriculating, except for a final transcript of work in progress. This final official transcript must be sent to the Enrollment Office immediately after the work in progress is completed. Only under these conditions will the student be allowed to register and attend courses for one quarter provisionally pending the receipt of the admission prerequisites.

Official documentation of completion of prerequisites must be received by the first day of registration for the second quarter, or the student will not be permitted to register. Admission is official only after the final transcript has been received showing that the applicant met all admissions requirements prior to the date of matriculation. In the event that the applicant does not qualify, the Enrollment and Registrar's Offices reserves the right to cancel admission and registration.

## Deferral of Admission

Applicants who have been offered either full or provisional admission may defer their entrance, not to exceed four quarters. A deferral will not be processed until the admission deposit is received. Students deferring admission must meet all new admission requirements, and must defer admission by the end of the first week of class in the quarter in which they were accepted. Applicants who need additional time beyond one year must reapply using a full application. A student who desires a deferral must make a request in writing to the Enrollment Office. A non-refundable deferral fee is required to transfer a deposit to a new entering class.

## Reapplication Process

Applicants who have submitted a full application for admission to Southwest College within the past year are eligible to submit a reapplication. This includes applicants who were denied admission to Southwest College or who wish to renew their application. The applicant must meet the following application requirements:

1. Complete re-application form
2. Non-refundable re-application fee
3. Essay- The applicant must provide a description of life events, work experience, academic courses taken, professional associations, etc. that have been part of the life experience since the original application to Southwest College, along with reasons why the applicant should be reconsidered for admission.
4. Interview
5. Transcripts for any additional coursework

Applicants for reapplication must complete the interview process and all other prerequisites for admission.

Applications to Southwest College will stay active (on file) for no more than one year. After this time, an applicant must apply for admission by submitting a new full application packet (including letters of recommendation, transcripts and fees), meet current admission requirements and partake in the interview cycle.

## International Applicants

Applicants from countries outside the United States must submit an application, pay the appropriate fees and meet all admission requirements. International students may substitute additional CLEP examinations for prerequisite requirements.

Foreign transcripts must be translated and evaluated by an international transcript evaluation service. Fees for this service are the responsibility of the applicant. The applicant should request a subject analysis transcript evaluation. The report must be mailed directly to the Southwest College Enrollment Office and received before an evaluation of the applicant's file can begin. Additional coursework materials, such as catalogs, course descriptions and syllabi, if requested, must be translated to English by a professional service.

**Test of English as a Foreign Language (TOEFL)** The college reserves the right to require international applicants whose native language is not English, to take the Test of English as a Foreign Language (TOEFL). A score of 550 on the written test, and 213 on the computer test, is required, with a score of at least 40 on the Test of Spoken English.

Information on TOEFL and the TSE is available in the Admissions Office. Test results must be received prior to matriculation.

**I-20 (Certificate for Eligibility)** International applicants must submit a Financial Guarantee Form and evidence of sufficient funds (ability to meet yearly expenses) before they qualify for a student visa. Sufficient funds must cover the cost of the first year of school, books, student fees and all living expenses. All payments to the College must be made in U.S. funds. The I-20 form is issued by the Student Affairs Office only after official acceptance to the College, receipt of evidence of sufficient funds and confirmed receipt of the admissions deposit. Students attending Southwest College on an I-20 must maintain full-time status.

**Transfer Applicants** Applicants who wish to transfer from another accredited (or candidate) graduate program must meet all admission requirements, including fees. In addition, letters of recommendation from the Dean of the school and a basic science faculty member of the college from which they are transferring, indicating the student is leaving in good academic standing, are also required. These letters must be mailed directly to the Enrollment Office.

Transfer students may matriculate at the beginning of any quarter. In all cases, the equivalent of a minimum of six quarters of full-time enrollment is required to receive a degree from Southwest College. The Registrar's Office makes determinations of acceptable transfer credits.

**Transfer Credit Policy** The possibility of transfer credit should be determined during the admissions process and must be before the start of the course in question. Only graduate-level course work taken prior to matriculation at Southwest College from an accredited or candidate U.S. institution may be applied toward transfer credit. The transfer credit is determined on an individual basis, depending on academic standing, the type of program, degree, and courses completed. Only course work taken prior to matriculation at SCNM may be eligible for transfer credit. Course work older than ten years may require a challenge examination with the appropriate fees. Direct transfer of courses is also contingent upon equivalent hours, equivalent content and a grade of C or higher from an accredited or candidate institution. Clinical training credit cannot be transferred or challenged. Courses used to satisfy admissions prerequisite requirements cannot be used for transfer. The student should submit a college catalog with course descriptions for all courses to be considered for transfer.

There is a \$50 per course fee (not to exceed \$300) for this evaluation if completed prior to matriculation. After matriculation, there is a \$75 per course fee (not to exceed \$300 in one request). Transfer credits are counted toward the total hours required for graduation, but are not counted toward the GPA. Petitions for transfer credit are available in the Registrar's Office.

**Professional Degree Advanced Standing** Students entering the Naturopathic Medicine program who have graduated from a domestic or foreign accredited professional school or program (i.e. M.D., D.O., D.C., D.D.S., etc.), may apply for advanced standing status. All applicants should submit a completed Advanced Standing Evaluation form a minimum of three months prior to matriculation. There is a \$300 non-refundable transcript evaluation fee (good for one year) which should be submitted to the Enrollment Office with the completed

application for admission. Please see Transfer Credit Policy for more information.

### **Advanced Standing Policy**

Advanced-standing status is determined on a case-by-case basis, depending on academic standing, the type of program, degree and courses completed. Advanced standing students are required to fulfill the same number of hours required in the catalog. They must complete the program in the time determined upon the transfer evaluation in accordance with the number of hours transferred. (See Completion Time Policy). Advanced standing students must meet quarterly with the Student Records Coordinator during registration and they will not be allowed to have concurrent enrollment or register for courses for which they do not have the required prerequisites or corequisites. Determination of advanced standing status prior to acceptance does not guarantee admission. Should an applicant not accept admission to the college and reapply/enroll at a later date, he/she is subject to all fees upon second application.

**Students Attending PIHMA** Students enrolled in equivalent course work at the Phoenix Institute of Herbal Medicine and Acupuncture (PIHMA) should sign a decelerated-track schedule form in order to drop those courses from their track program. Once coursework is completed at PIHMA, an official transcript must be sent in order for those courses to be transferred. It is the student's responsibility to inform the Registrar's Office if he/she withdraws from courses at PIHMA in order to make necessary changes in the student's schedule.

**International Transfer** All foreign coursework must meet standards approved by the National Council on the Evaluation of Foreign Education Credentials. Foreign transcripts, course descriptions and syllabi must be translated and evaluated by an international transcript evaluation service. The applicant should request a subject analysis transcript evaluation, which must include grades, hours and equivalencies. Fees for this service are the responsibility of the applicant. Report results should be mailed directly to the Enrollment Office and be received before an evaluation of the applicant's file can begin. Please see Transfer Credit Policy.

The College reserves the right in all cases to require a competency and/or evaluation or challenge examination, which may result in an additional fee. It is recommended that foreign medical doctors take the USMLE (United States Medical Licensing Examination).

## Tuition and Fees Southwest College

reserves the right to change tuition and fees at any time. The 2001/2002 Tuition and Fees Schedule can be found on page 40. A new Tuition and Fees Schedule will be published when there are changes. Students are expected to pay, in full, all tuition and fees for the term at the time of registration. No class may be attended without registration for that class.

All fees are non-refundable, except as specified in the refund policy. Students who have not paid their tuition in full by the first day of class shall be dropped from class for the quarter. Course credit will not be given until tuition and fees are paid in full. No transcripts or diplomas will be issued to students in default. In no case will a student be permitted to register for a quarter or take final examinations until all tuition and fees are paid in full for previous quarters.

### Complete Withdrawal and Refund

**Policy** For calculation purposes, the date of withdrawal is the date the student provides in a formal written notice to the Registrar's Office of the intent to withdraw. In the case of a student who fails to notify the Registrar's Office of the intent to withdraw, the date that is the midpoint of the payment period is the determined withdrawal date.

Students who withdraw before the 60-percent point of the quarter are entitled to a pro-rata refund based on the percentage of the quarter completed. Students who withdraw before the second day of the quarter can receive a 100 percent refund, provided they also repay any student aid living expenses they received. Beyond the first week, the federal pro-rata refund policy will be used to establish the refund amount.

All other students are entitled to a refund of tuition and fees based on the schedule below. For seminar intensives: 100% refund before class starts; no refund after class starts. For ten-week courses, complete withdrawal before the end of the:

Second day	100%
First week	90% to 99%
Second week	80% to 89%
Third week	70% to 79%
Fourth week	60% to 69%
Fifth week	50% to 59%
Sixth week	No refund (mid-point)

*Admission deposits are non-refundable.*

**Other Expenses** Students are required to purchase textbooks and other personal equipment, as needed for each course, as well as diagnostic equipment for use during clinical training. These costs vary. (See *Student Handbook* for further details).

**Payment Options** Students have the following options to pay for their tuition and fees: cash, credit card or check. According to federal regulations (34CFR 682.604), financial aid funds must be applied toward the direct cost of attendance expenses (tuition and fees) owed to the school before any refunds (coverages, cost of living, other) can be issued to the student.

### Veterans Benefits/Veterans Refund

**Policy** Southwest College is an approved institution for educating students who are eligible for Veterans' Administration educational benefits. Veterans must achieve satisfactory academic progress toward their educational program(s) each quarter in order to remain eligible for benefits. The College must report this progress each quarter.

After a course of any length has begun, a veteran who has dropped from one or more courses will be charged a pro-rated portion of the total charges (tuition and fees) consistent with the length of the completed portion. The balance will be refunded to the veteran minus a \$10 processing fee. To be eligible for this pro-rata refund, veterans must make their status known to the College in advance of registration by providing a copy of the DD214 to the Financial Aid Office. Veterans should also identify their veteran status when dropping courses.

### Financial Aid

Students seeking federal funding for their educational needs will receive assistance through the Office of Financial Aid. The Federal Educational Loan Program (FFELP) is available to those who qualify, based on Federal Regulations regarding Title IV funding. Students enrolled in the Doctor of Naturopathic Medicine Program may borrow up to the cost of attendance (COA) on the FFELP Stafford subsidized and unsubsidized Programs. Students needing additional funds may borrow up to the cost of attendance, minus federal financial aid, through a privately administered alternative loan program.

The Subsidized Stafford Loan is available to U.S. Citizens and eligible non-citizens and is need-based. Students are eligible to borrow a maximum of \$8,500 per academic year (3 quarters). The government subsidizes (pays) all interest on the loan while the student is enrolled at least halftime and during periods of authorized deferments.

The Unsubsidized Stafford Loan is also available to U.S. citizens and eligible non-citizens and is not need-based. The maximum eligibility a student may borrow under the Unsubsidized Stafford Loan Program is \$18,500. The student is responsible for the interest that accumulates on an unsubsidized loan. Students have the option of paying the interest quarterly while in school, or adding the interest

to the principal balance, at the time of repayment. Students may not exceed the total loan limit of \$18,500 per academic year for both Stafford Loans (subsidized and unsubsidized).

**Procedure** Students who seek financial aid receive information on how to start the financial aid process by completing the Free Application for Federal Student Aid (FAFSA). After the student completes the FAFSA, it is mailed to a federal processor for compilation (a student may choose to enter the FAFSA information on a web site provided by the Department of Education). Three weeks after submission of the FAFSA, the Federal Processor sends the results of the compilation of information, including the estimated family contribution, to the student and the College.

Once the student's file is reviewed for Title IV compliance, the student's financial need is determined and an award letter reflecting the Stafford Subsidized and Unsubsidized loan eligibility is given to the student, along with a loan application. The student must select a lender, determine how much of the loan eligibility he/she will need and submit the completed application to the Financial Aid Office for school certification.

Financial aid funds are disbursed on a quarterly basis via electronic fund transfer or via paper check. Monies are applied to the student's account by the business office, after the Financial Aid Director confirms the student is in attendance and meeting satisfactory academic progress, as defined in the College catalog. Each quarter students borrowing in excess of their tuition are given a check from Southwest College for the remainder of their disbursement for living expenses.

## Higher Education Act (HEA) Drug Conviction Student Eligibility Provision

Student eligibility for Federal student aid is suspended if the student is convicted, under Federal or State law, of any offense involving the possession or sale of a controlled substance. The suspension of eligibility ranges from one year to indefinite, depending upon the number and type of convictions. A student may regain eligibility early by completing a drug rehabilitation program that meets certain statutory and regulatory requirements, or if the conviction is overturned. Details regarding section 484(r) of the HEA are available from the Director of Financial Aid.

**Non US Students** Canadian Students may apply for Canadian Student Loans through their respective provincial governments. Alternative loans are available to foreign students; however, they must have a U.S. citizen or permanent resident as a co-signer.

**Loan Eligibility** To be eligible for the Federal Educational Loan Program (FFELP), a student must:

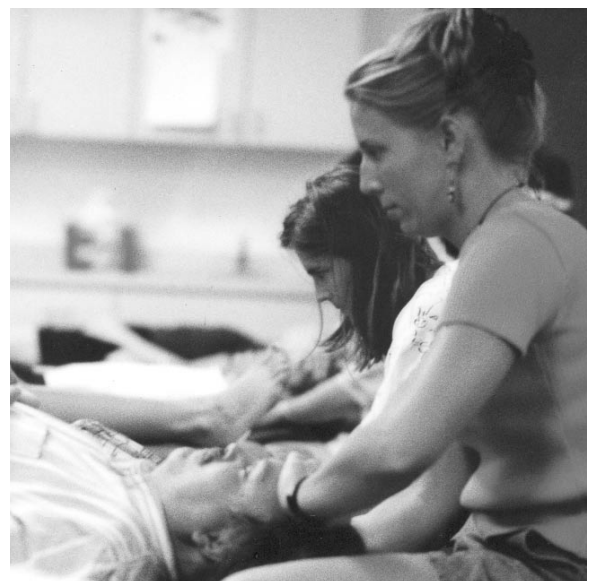
- ¥be a U.S. citizen or eligible non-citizen,
- ¥be enrolled at least half-time,
- ¥be in good standing,
- ¥demonstrate satisfactory academic progress (a student is considered making satisfactory academic progress by completing 80% of attempted classes while maintaining a 2.5 cumulative and quarterly GPA).
- ¥not be in default or delinquent on any loan with the College, state or federal government.
- ¥have completed all necessary documents for financial aid review.

Financial aid requires the following documents be completed to validate a person's financial aid eligibility:

- ¥Free Application for Federal Student Aid (FAFSA)
- ¥IRS tax forms and schedules (only when requested from the financial aid office)
- ¥Southwest College Financial Aid Data Sheet

Students will need to contact the Financial Aid Office once they have completed their FAFSA through the federal government's processing center and received their Student Financial Aid Report (SAR). After three weeks, a SAR is sent to the student and a copy is electronically transmitted to the school. Financial Aid awards are based upon information provided by the federal government and the student's estimated Cost of Attendance (COA), which the school determines.

Financial aid is a federally regulated program. It is important for the student to be aware of the many policies and procedures governing the issuing of financial aid. In preparing for your graduate degree, it is not always possible to finance your education through financial aid and it is recommended that students prepare to contribute to the cost of their education through private funding.



**Academic Freedom** The College supports academic freedom to encourage the acquisition and transmission of knowledge, cultivation of creative and critical thinking and analysis and expression of ideas and emotions. Faculty are encouraged to present not only a variety of perspectives, but they may also point out views supported by their experiences, education and research relative to the discipline they are teaching. Students are encouraged to analyze, question, challenge and respond. Faculty and students are free to examine all pertinent data, to question and to be guided by the evidence. Alternative and opposing points of view are to be respected and, if appropriate, used to synthesize new approaches.

In an academic environment, as in society, freedom of speech and expression cannot be absolute. Speech or expression that is libelous, slanderous, unprofessional, incendiary in nature, or unlawfully harassing or directed at persons with clear intent to cause injury is not protected by academic freedom and may be subject to disciplinary action.

**Attendance** Prompt and regular class attendance is required. Faculty may require, as part of the course grade, that students attend all classes. The attendance policy for each course can be found in the course syllabus. Faculty are required to keep a record of class attendance throughout the quarter and report class attendance to the Registrar's Office. Students receiving financial assistance from the Veterans' Administration (VA) are responsible for VA attendance requirements.

Students are required to attend a minimum of 80 percent of the lectures and 90 percent of laboratories held in each course unless otherwise indicated by the faculty member in the course syllabus. One hundred percent attendance may be required for certain classes. If a student misses a class, it is the responsibility of the student to make arrangements with the faculty for any make-up work. Habitual tardiness or absences without cause will be reported to the Registrar's Office and may result in disciplinary action or a failing grade.

**Academic Advising** The Enrollment Office assigns each student a faculty advisor upon acceptance. Once a student matriculates, the advising process is monitored by the Registrar's Office. Each student's academic progress is evaluated on a quarterly basis. Students meet with their academic advisor periodically to assist in academic and professional development. Students on academic warning or probation are required to meet with their advisor regularly. Students are also assigned a supervising physician/clinical advisor upon entrance into clinical training. (See *Student Handbook* and *Clinic Handbook* for details).

**Registration** Once matriculated, a student must be continuously enrolled unless he/she is taking an approved leave of absence. Registration dates are published in the Academic Calendar, unless otherwise posted. Students must have photo identification to register for classes. Students registering after the scheduled registration period will be charged a Late Registration Fee. (see Tuition/Fee schedule, page 40). Registration is the responsibility of the student. Students must make arrangements if they are unable to register during posted times. Students may not register for courses after the second week of classes.

**Registration Holds** A registration hold may be placed on a student's record to prevent the student from registering for classes in future quarters for financial, administrative or academic reasons. Only the following offices may place registration holds: Enrollment, Library, Business Office and Registrar. The obligations with the offices must be addressed before the hold will be removed and the student will be allowed to register.

**Class Schedules** Current schedules and information will be posted on the Bulletin board near the Registrar's Office. Quarterly class schedules are available at the Registrar's Office the Friday prior to registration. Scheduled classes are based on instructor availability, classroom availability and other related factors. Classes are typically held between 8am and 6pm weekdays, but some may be held in the early morning, evening, over a weekend or in an intensive (2 1/2 or 5 day) format. Once a schedule is released, schedules will change only in the event of extreme circumstances.

**Enrollment** Full-time enrollment is defined as a student enrolled for a minimum of 140 hours (didactic and/or clinical). Part-time enrollment is defined as a student enrolled for a minimum of 70 and a maximum of 139 hours. Students on financial aid who do not meet full-time enrollment minimum must meet with the Director of Financial Aid. Students may not register for less than 70 hours, unless approved by the Registrar. International students attending Southwest College on an I-20 must maintain full-time status.

**Completion Time Required** The Doctor of Naturopathic Medicine Program is designed to be completed in four calendar years or 16 academic quarters. Students who deviate from the standard track program will extend the length of the program. Students must complete the ND program within 24 academic quarters, not to exceed six calendar years from initial date of matriculation, including any/all leaves of absence.

Advanced standing and transfer student completion time will be determined before matriculation based on the number of hours transferred.

**Transcripts** A transcript is the official document of a student academic record of courses taken and grades earned. An official transcript will bear the signature of the Registrar as well as the official College seal and will be mailed directly to the address provided by the student. An unofficial transcript issued by the college is marked unofficial. The degree earned by the student at Southwest College is recorded on the transcript after graduation. The transcript will reflect the current status of the student such as: currently enrolled, withdrawn, etc.

Students may obtain unofficial transcripts for themselves or request official copies be sent to other institutions by completing a transcript request form or by sending a signed letter to the Registrar's Office. Requests by mail should include the following information: name, identification number (SSN), date of birth, first and last dates of attendance, current return address, daytime phone number and specific mailing address for each transcript ordered. Prepayment is required (see Tuition/Fee Schedule, page 40).

Transcripts are issued within one week from the date the request is received. Transcripts submitted for admission or credit transfer become the property of Southwest College and cannot be returned to the student or forwarded to other institutions. While a student is enrolled at the College, any transcripts needed for licensing exams or clinical training, scholarships, residency programs or internships will be issued free of charge. Each student is also entitled to one certified copy of his/her record free of charge upon graduation, unless there is a financial encumbrance. The Registrar's Office may not release transcripts or any certifications for non-enrolled students or graduates who have a financial encumbrance.

**Grading System** Faculty are required to provide students with a course syllabus that outlines course requirements, including methods of evaluation to determine achievement of course content.

Grade: H =	Honors	Grade Point: 4.0	90-100%
Grade: P =	Pass	Grade Point: 3.0	75-89%
Grade: MP =	Minimal Pass	Grade Point: 2.0	70-74%
Grade: NP =	No Pass	Grade Point: 0.0	69% - below*
Grade: AU =	Audit	Course taken for Information	
Grade: CIP =	Course In Progress		
Grade: R =	Remediated	Grade for remediated course	
Grade: I =	Incomplete	Remains on transcript after completion	
Grade: S =	Satisfied	Only used for certain intensive, elective courses, and challenge exams. Not calculated in GPA.	
Grade: U =	Unsatisfied		
Grade: Transfer		Graduate level transfer credit	
Grade: TBA		Awaiting grade from faculty	
Grade: Waived		Course waived	
Grade: W =	Withdrawal	Student withdrew from course	
Grade: W/P =	Withdrawal/pass	Withdrawal with passing grade	
Grade: W/NP =	Withdrawal/no-pass	Withdrawal with No Pass	

**Incomplete and No Passes**

Students may request an incomplete (I) in a course by completing and submitting an incomplete form through the Registrar's Office a minimum of two weeks prior to the end of the quarter. Grade changes submitted without proper documentation will not be accepted. An "I" signifies that additional work is required before academic credit can be given for a course. A student has three weeks from the end of the course date to complete outstanding academic requirements before the I becomes an "NP". An extension beyond the three-week deadline may only be granted by the Registrar upon a student's written request.

A grade of No Pass (NP) can seriously affect the student's academic progress and the student's financial aid. A No Pass in a prerequisite for other courses precludes the student from entering those courses until the No Pass has been rectified. In order to rectify the No Pass, the course must be repeated at the next available offering unless the student is eligible for remediation. A course may be repeated one time only. Both the original No Pass and the grade given in the repeated course appear on the student's transcript. If a second No Pass is received for the repeated course, the student will be academically dismissed.

**Grade Reports** Grade Reports are available within one week from the end of the quarter. Grades are considered a part of the student's educational record and will not be released or posted in any personally identifiable form. Grade reports are placed in sealed envelopes in the student mailbox, at the college, at the end of each academic quarter.

**Grade Point Averages** The grade point average (GPA) for each quarter is calculated by multiplying the grade received (for example, H=4, P=3) by the number of hours for each course. Total the hours; total the grade points, and divide the total points by the total hours. Grades of satisfied, withdraw or incomplete are not calculated into the GPA. The same principle applies to the cumulative GPA reflected on the transcript. If a course is repeated, all grades earned are used in determining the GPA. Grades received at another institution are not included in the Southwest College GPA.

**CAO's List** A full-time student who earns a quarter GPA average of 4.0 shall be placed on the Chief Academic Officer's (CAO's) List for that quarter and receive a letter from the Chief Academic Officer. Students are not eligible for the CAO's List in any quarter in which they receive an incomplete. When an I is resolved however, students who are otherwise eligible shall be added retroactively to the CAO's list for that quarter.



**Grade Appeals** If a student believes that a final grade is unfair, the student may seek resolution. The burden of proof is on the student (e.g., unjust treatment, errors in calculation, etc.) Grades are awarded and changed only by the faculty member or through the appeals process. The process is based upon principles of consensus and resolving conflict at the lowest possible level.

**Informal Process** - Within 30 days of receiving a grade, the student must first direct the appeal to the faculty member, presenting evidence of unfair evaluation or any other relevant documentation. If the 30-day limit has expired, the appeal may not proceed further.

**Formal Process** - If the faculty member and the student are not mutually able to resolve the issue, the Chief Academic Officer will make the final decision. No grade changes will be considered, under any circumstances after 60 days of grade issuance.

**Examinations/Academic Honesty** The testing and examination of students is composed of composite scores from written and oral reports, laboratory grades, quizzes, mid-terms and finals. The examinations are developed to evaluate the student's overall understanding of the course material, with a balance of clinically relevant detail. In clinical procedures classes, students' skills are also be assessed by practical and oral examination in addition to written exams. Course requirements can be found in the individual course syllabus.

Students providing a legitimate/acceptable reason to be excused from taking a regularly scheduled final examination shall be given an opportunity to sit for an alternatively scheduled examination, which must be different in composition from the originally scheduled examination. The student must contact the Registrar's Office prior to the regularly scheduled examination to discuss the need to be excused and to take the examination at an alternative time. The student must also pay the alternative examination fee (see Tuition/Fee Schedule, page 40). A list of examples of legitimate reasons and the comprehensive policy and procedures for rescheduling finals and fee waivers is available at the Registrar's Office. Abuse of this policy and privilege will result in the privilege being withdrawn.

When taking examinations, students:

- ✘Are required to leave all books and other aids in an inaccessible spot usually in the front of the room (exception: open book tests)
- ✘May not leave the room and return to the test without express permission and handing test papers to faculty or proctor
- ✘Are not allowed to talk to each other during an examination
- ✘Ensure that their line of sight does not cause suspicion of cheating and should not look in the direction of other student's papers during examinations

- ✘Are encouraged to use a blank sheet of paper placed over their work and take the initiative to prevent others from copying your work
- ✘Refuse to assist other students in cheating
- ✘Discourage dishonesty among other students

Students speaking to one another during an exam will have their exams confiscated and will receive an automatic No Pass for the examination. (For more information, see *Student Handbook* section on Integrity and Academic Honesty)

**Academic Progress** Students must maintain a cumulative GPA of 2.5 or higher and earn a quarterly GPA of 2.5 or higher for 67% of attempted hours to maintain satisfactory academic progress. The College reserves the right to make exceptions to this policy for mitigating circumstances. If a student has not made satisfactory academic progress the following apply:

#### **Academic Warning**

Students are placed on academic warning if they receive two grades of minimum pass or one grade of no pass in one quarter. Students placed on academic warning will receive notification from the Registrar and will be required to meet with their faculty advisor for the recommendation of remedial measures.

#### **Academic Probation I**

Students are placed on academic probation I if they receive two grades of no pass, or they receive three or more grades of minimum pass or their quarterly GPA falls below a 2.5 in a quarter. Students placed on academic probation I will receive notification from the Registrar and will be required to meet with their faculty advisor, the Chief Academic Officer and the Student Records Coordinator to prepare an academic agreement. Students on academic probation I for more than one quarter are immediately moved to academic probation II status.

#### **Academic Probation II**

Students are placed on academic probation II if they receive additional no passes while on academic probation I, or if they receive three or more no passes, or four or more minimum passes in a quarter. Students on academic probation II will receive notification from the Registrar and will be required to meet with their faculty advisor and the Chief Academic Officer to discuss an academic agreement. The student must also meet with the Director of Financial Aid to discuss the implication on their financial aid status.

#### **Academic Probation III**

Students are placed on academic probation III if they fail to satisfy the requirements of their academic agreement while on academic probation II. Students on academic probation III will have their financial aid suspended and may be subject to temporary or permanent dismissal.

**Academic Dismissal**

Students on academic probation III may be temporarily or permanently dismissed. An academic review committee consisting of the Chief Academic Officer, two faculty members and the Registrar makes the decision for dismissal. This decision can be appealed in writing to the President, whose decision is final. During a temporary dismissal, a student may only retake failed courses. Unless the student successfully passes all failed courses, he or she will not be readmitted to the college. Students permanently dismissed will not be readmitted to the college under any circumstances.

**Audit** Students may audit a course if they have met the course prerequisites, registered and paid the tuition and audit fees. An additional fee is required for courses with laboratories. When auditing, students do not earn a grade, nor do they receive credit. Courses taken as audit will appear as an AU on the student's official transcript. A student may not audit, then challenge a course in lieu of taking the course as scheduled. Additionally, students cannot audit intensives or electives. See Tuition/Fee Schedule, page 40.

**Challenge Examinations** Students may petition to take a challenge examination if they have taken a similar course or show evidence of other relevant experience that is determined to be of similar content and level to the course being challenged. A syllabus or other relevant documentation is required for evaluation. Petitions are available in the Registrar's Office.

Students on academic probation are not eligible to take challenge exams. Clinical credits cannot be challenged. Once the petition is approved, the student must pay the challenge exam fee prior to sitting for the exam.

Application for challenge exams must be submitted a minimum of four weeks prior to the beginning of the quarter in which the challenged course begins. Course credit received through passing a challenge exam will be reflected as a grade of Satisfied (S) on the transcript.

The challenge process must be completed prior to the third week of the quarter in which the course is offered. The student must attend the course being challenged until the process is finished and a passing grade assessed. Students may challenge a course only once. If a student fails the challenge exam, he/she must complete the course.

The challenge exam applies only to the course being challenged and may not be used for another course. Non-matriculated students cannot challenge a course. For challenge fees see Tuition/Fee Schedule, page 40.

**Course Evaluation** Students are required to complete an evaluation at the end of each course. The Academic Department tabulates the information from these evaluations and provides the results to administration and faculty. The purpose is to provide opportunities for administration and faculty to adjust courses, instruction approach and style, and enhance the learning environment.

**Course Waiver** A course waiver may be available on a case-by-case basis to students who have not taken an equivalent graduate-level course but who have experience deemed equivalent to the course content. Eligibility is determined by a committee consisting of a faculty member, the Chief Academic Officer and the Registrar after a review of documentation provided by the student. Clinic hours may not be used to make up waived didactic hours.

If the waiver is approved, the student will not be required to attend the waived course. The student will receive no credit for the course, but will be required to make up the number of contact hours. Petitions for a course waiver are available at the Registrar's Office.

**Directed Study** Directed study is available for students who need to make up classes due to documented illness or family emergency. A student may only take a directed study if he or she is in good academic standing. Directed study cannot be used to accelerate the track program or to repeat a course for any reason. A directed study form may be obtained from the Registrar's Office. Directed study must be approved by the Chief Academic Officer, department chair, faculty member and supervised by a faculty member. Directed studies are only applicable for certain lecture only courses (not to exceed 20 hours). The Academic Department reserves the right to make exceptions. Refer to the Tuition/Fee Schedule for the directed study fee, page 40.

**Remediation** Remediation may be offered in lieu of a student repeating a course, if the student received a no pass. Only students whose final grade for the course falls within the 65-69 percent range are eligible for remediation. The faculty member and the Chief Academic Officer must approve remediation. A remediation exam may be taken only once.

The student must pass the remediation exam with a grade of 75 percent or higher to receive a minimal pass (MP), which will be documented on the transcript. If the score is lower than 75 percent, the course must be repeated one

time only. The fee for remediation can be found on the tuition and fee schedule. Remediation forms are available from the Registrar.

**Licensing Examinations** Licensing examination dates, when available, are posted on the student bulletin board. The College is not responsible for communication, scheduling, fees, administration or grading the examination. Pertinent information about licensing exams is communicated only when appropriate. Information on licensing laws is maintained in the library. Review classes may be offered to students by the College for a fee.

**NPLEX Policy** Students are required to take the NPLEX Basic Sciences portion prior to entering clinical rotations. Students have two opportunities to take the examinations before their class enters clinic. All students should take NPLEX part I following the enrollment of quarter 7 courses, when they will have completed courses in Anatomy, Biochemistry, Microbiology, Physiology and Pathology. Students must indicate that NABNE send SCNM their exam scores on the application form. Any student who did not pass all components of the basic science examination at the first attempt are expected to register for the next administration of this examination. The second attempt should fall after quarter 10.

Students will be allowed to register for the first clinical training rotations on a probationary status if they are scheduled to enter clinic before NABNE releases exam scores. Once scores reveal that a student has passed all parts of the Basic Sciences examination, students will be removed from the probationary status of Clinical Training enrollment. Students who do not pass all parts of the Basic Science examination after the scores are released, will be allowed to complete the clinical training rotations in which they are enrolled, but will not be allowed to enroll in additional clinical training rotations until all parts of the Basic Sciences examination are passed in order to have time to prepare for the next administration of the exam.

**Course Drop/Add** Southwest College is on a track program. Any deviation from the prescribed track will extend the standard length of the program. Any changes to the prescribed curriculum require the approval of the appropriate personnel prior to registration. This includes all decelerated-track schedules. The changes must meet all prerequisite requirements, authorization and applicable fees prior to registration (see student advising policy in *Student Handbook*). Schedule changes are generally not advised after the quarter begins.

## Withdrawal Policy

### Unrestricted Withdrawal

During the second through the sixth week of the quarter, a student may withdraw with appropriate authorization from any course with a mark of WD. Appropriate authorization is defined on withdrawal form. Students withdrawing from courses are placed on a decelerated-track schedule.

### Restricted Withdrawal

Students withdrawing from courses between the seventh week to the end of the ninth week of a quarter may withdraw with a mark of "WD/P" from courses in which the instructor certifies that they are passing at the time of withdrawal. Students are given the mark of "WD/NP," if the instructor cannot certify the mark of "WD/P."

### Refund Policy for Course Drop

Dropping a course after the start of the quarter carries the following fees:

For seminar intensives: 100% refund before class starts; no refund after class starts. (Intensive format courses include those classes offered in concentrated blocks of time, other than the duration of the quarter.) For ten-week courses, withdrawal before the end of the:

Second day	100%
First week	90%
Second week	80%
Third week	60%
Fourth week	40%
Fifth week	20%

No refund after the fifth week of courses.

### Medical/Compassionate Withdrawal

A medical/compassionate withdrawal request, may be made in cases in which serious illness or injury, or extreme personal circumstances, beyond the student's control, prevents a student from continuing his/her classes, and an incomplete or other arrangement with the instructor is not possible. Applications for withdrawal require documentation.

**Leave of Absence** A leave of absence is granted to any student in good academic standing who has satisfied all financial obligations to the College, and can demonstrate personal or medical reasons for such a leave.

Students may apply for an approved leave of absence not to exceed 180 days in a 12-month period. For satisfactory academic progress, an additional leave of absence while in the program cannot be granted within 12 months of re-enrollment from the original leave of absence. (For additional information and Department of Education regulations, please check with the Financial Aid Office).

Tuition refunds on approved leave of absence are calculated according to the Standard Federal Financial Aid Refund Policy. Students exceeding 180 days in a 12-month period, are considered withdrawn and will be responsible for any

outstanding tuition, clinic bills and library fines. Grace periods (6 months) on all Financial Aid loans will be satisfied, and repayment will begin.

### Re-Activation of Enrollment After Leave of Absence

Students who withdraw after a leave of absence exceeding the 180 days may request a re-activation form from the Registrar's Office. Financial Aid students who are approved for re-enrollment after withdrawal can certify an in-school deferment through the Registrar's Office at time of registration to postpone loan repayment.

Students wishing to be re-admitted within a year from last date of attendance must submit a reactivation form, non-refundable re-activation fee, one letter of recommendation, essay and official transcripts for coursework completed since last date of attendance at Southwest College. A committee will review the re-activation application, meet with the student and make a recommendation to the Chief Academic Officer. Students whose leave of absence exceeds one year who wish to re-enter the program must apply for admission.

## Graduation Requirements

Candidates for the Doctor of Naturopathic Medicine degree must fulfill the following graduation requirements:

- ¥Satisfactory completion of all courses in the prescribed curriculum
- ¥Satisfactory completion of clinical requirements, including 1200 clinic hours (Students must have a minimum of 1000 clinic hours to walk during graduation ceremonies.)
- ¥Satisfactory achievement of all required clinical competencies
- ¥All academic and /or disciplinary sanctions discharged
- ¥Financial obligations to the College satisfied
- ¥Completed a minimum of 45 community involvement hours
- ¥One professional public presentation coordinated by the Clinic Resident
- ¥Chief Academic Officer and Chief Medical Officer Recommendations
- ¥Minimum age of 21
- ¥Minimum cumulative GPA of 2.5

### Graduation Ceremony Requirements

The College conducts two graduation ceremonies each year. The requirements to participate in the graduation ceremony are satisfactory completion of all coursework, including 1000 hours of clinical training and payment of all financial obligations to the College, including the graduation audit fees (see Tuition/Fee Schedule, page 40).

### Graduation Audit/Issuance of Diplomas

Upon receiving an application for graduation, the Registrar's Office conducts a formal audit to determine satisfactory completion of graduation requirements. Results of the audit are provided to each student, who has the responsibility to respond to any deficiencies in order to fulfill requirements for graduation. The Registrar's Office issues diplomas four times a year, approximately two weeks after the end of finals week of each quarter. The

diploma is only issued when the student has fully satisfied graduation requirements. The diploma may be picked up by the student or mailed to the student at the current address on file in the Registrar's Office. At graduation, the college recognizes students with highest academic achievement and high academic achievement.

## Family Educational Rights & Privacy Act

This federal law provides that eligible students have access to their educational records, for inspection and review; further, this law protects the rights of a student to privacy by limiting access to educational records without express written consent.

Students have the right to review and inspect their educational records, including application, except for confidential recommendations. Photo identification must be presented before access to educational records will be permitted. An appointment must be made with the Registrar's Office to access an educational record.

Forms are available at the Registrar's Office for a student to request that the College withhold all directory information. The College defines directory information as name, address, phone number, e-mail address, and dates of attendance, program of study and degree/awards earned.

### Proper Disclosure

Student information of a private, personal or confidential nature, which is provided to the College faculty and staff, will not be disclosed improperly. Faculty are expected to provide evaluations of students. For the purposes of monitoring and recording student progress, evaluations include the strengths and weaknesses of academic, clinical and communication skills. The evaluations also include observations and opinions regarding academic effort and professional conduct.

Although not required, faculty and staff may provide judgments of students' abilities and character to others in appropriate circumstances in accordance with College policy on student records.

### Change of Name

The name used by a student on educational records must be the student's legal name. To change the name reflected on student records, a student must complete the Name Change form and provide one of the following legal documents to the Registrar's Office:

- ¥ a copy of the student's social security card.
- ¥ a certified copy of a court decree dissolving a marriage and restoring maiden name.
- ¥ a certified copy of the court order directing a change of name.
- ¥ a motor vehicle driver's license issued by the State of Arizona.

The student's request is recorded once all materials are submitted. Changes to the permanent student record occur at the end of the quarter in which the request was made.

# School of Naturopathic Medicine

Director: Kareen O Brien, N.D.

**Philosophy** Naturopathic medicine is a distinct medical system of healthcare: an art, science and practice of diagnosing and treating people and preventing disease. Naturopathic physicians seek to restore and maintain optimal health. They can practice independently or with provider groups and may also become educators, authors, researchers and consultants.

Naturopathic medicine honors patients as unique human beings, enabling them to take responsibility for their own health. Naturopathic physicians are health coaches, providing evaluations and recommendations for patients who are committed to becoming healthier.

## The Six Principles That Guide the Therapeutic Methods and Modalities of Naturopathic Medicine

### First Do No Harm

*primum non nocere*

Naturopathic medicine uses therapies that are safe and effective.

### The Healing Power of Nature

*Vis medicatrix naturae*

The human body possesses the inherent ability to restore health. The physician's role is to facilitate this process with the aid of natural, non-toxic therapies.

### Discover and Treat the Cause

*tolle causam*

Physicians seek and treat the underlying cause of a disease, not just the effect. Symptoms are viewed as expressions of the body's natural attempt to heal. The origin of disease is removed or treated so the patient can recover.

### Treat the Whole Person

*tolle totum*

The multiple factors in health and disease are considered while treating the whole person. Physicians provide flexible treatment programs to meet individual healthcare needs.

### The Physician as Teacher

*docere*

The physician's major role is to educate, empower and motivate patients to take responsibility for their own health. Creating a healthy cooperative relationship with the patient has strong therapeutic value.

### Prevention is the Best Cure

Naturopathic physicians are preventative medicine specialists. Physicians assess patient risk factors, heredity and susceptibility and intervene appropriately to reduce risk and prevent illness. Prevention of disease is best accomplished through education and a lifestyle that supports health.

**Scope of Practice** The legal aspects of practicing naturopathic medicine vary from state to state in the U.S.A. and from province to province in Canada. In those states in which naturopathic physicians may be licensed as primary healthcare providers, NDs may see patients for general healthcare and for the diagnosis and treatment of acute and chronic conditions. Their scope of practice may include, but is not limited to, nutritional science; botanical medicine; naturopathic manipulation; physical medicine, acupuncture, homeopathy, mind-body medicine; natural childbirth; minor surgery; prescriptions for natural substances and synthetics immunizations; and all methods of laboratory, x-ray and clinical diagnoses.

**Licensure** The Arizona Naturopathic Physicians Board of Medical Examiners regulates the practice of naturopathic medicine in the state of Arizona. This includes applications and fees for students planning to enter clinical training and to apply for licensure.

For more information about Arizona licensure, contact the State of Arizona Naturopathic Physicians Board of Medical Examiners, 1400 W. Washington, Suite 230, Phoenix, Arizona 85007, (602) 542-3095. You may also contact the Federation of Naturopathic Medicine Licensing Boards at 7715 Kensington, Suite 24-A, Missoula Montana 59801, 406.728-8544, or contact the AANP (See below).

All states and provinces with licensure laws require a resident course of at least four academic years and 4100 hours of study from a college recognized by the state or province examining board. To qualify for licensure, students must meet the credentialing requirements of the jurisdiction to which they have applied. This includes passing a licensure exam. There are application processes and fees required from students who wish to sit for these exams. Examinations may be offered both during and after academic completion.

For specific information on state licensure:

American Association of Naturopathic Physicians  
8201 Greensboro Dr. Suite 300  
McLean, Virginia 22102  
ph. 703.610.9037  
www.naturopathic.org  
e-mail info@aanp.com

For specific information about provinces in Canada:

Canadian Naturopathic Association  
4174 Dundas St. West, Suite 304  
Etobicoke, Ontario, Canada M8X 1X3  
www.naturopathicassoc.ca

License laws vary from state to state and province to province. Some states or provinces have no naturopathic licensure, while others have laws providing a broad scope of practice. It is the responsibility of the student/graduate to determine the licensure laws or scope of practice in the

state in which he/she intends to practice. The North American Board of Naturopathic Medical Examiners (NABNE) provides basic science and clinical science examinations that most jurisdictions use to license naturopathic graduates.

## Educational Program

### Academic Course work

The Doctor of Naturopathic Medicine Program has been developed to ensure that students have the opportunity to build a strong foundation and to demonstrate competency in each major modality.

Laboratory classes include dissection of cadavers, physical exams, palpation, manipulation, acupuncture, hydrotherapy, microbiology, histology and preparation of herbal medicines. Didactic classes include traditional and adult learning classroom teaching methods, group projects and experiential coursework.

### Clinical Education Experience

The clinical training program is designed to be completed in eight quarters. During clinical rotations, students will take on increasing responsibility in assessment and treatment, beginning with observations. Students gain increasing responsibility for the diagnosis and implementation of treatment under the supervision of a licensed physician. A minimum of 700 patient contacts and 1260 clinic hours must be completed with a broad spectrum of patients at the clinical teaching facility (Southwest Naturopathic Medical Center), and at off-site locations.

Students have available to them over 100 extended off-site and extended site experiences in clinical training, which currently reach over 50,000 members in the community. Clinical experiences with NDs, MDs and DOs are available, as well as exposure to clinics specializing in geriatrics, general practice family medicine, cancer treatment, drug/alcohol rehabilitation, women's health care, allergy treatment and a mobile medical unit that travels to lower income communities. For a list of selected off-site clinical training experiences and faculty, please refer to the Off-Site Clinical Faculty listing in the Faculty portion of the catalog (p. 39).

The clinical training program is designed to provide the essential skills necessary to become a naturopathic primary-care physician. Students are:

- ✘ Provided with opportunities to observe physician role models.
- ✘ Involved in observing and training in a variety of clinical environments.
- ✘ Focused on effective communication and diagnostic/ therapeutic tools.

## Eligibility for Clinical Training

Students eligible to enter the Southwest College clinical training program at the Southwest Naturopathic Medical

Center in Scottsdale, must have:

- ✘ Full admission status.
- ✘ Satisfactorily completed all courses in quarters 1 - 8 as listed in the Program of Study (see page 21).
- ✘ Recommendation from the Chief Academic Officer.
- ✘ Passed the Clinical Entry Assessment Course, CTNG 740 and
- ✘ Passed the Basic Sciences portion of NPLEX (See NPLEX Policy).
- ✘ Have receipt of registration to participate in clinical training from the Arizona Naturopathic Physicians Board of Medical Examiners.

These requirements must be met by all students including transfer students and students with advanced standing. Students on academic probation/warning will be reviewed on a case-by-case basis as to eligibility for clinic entrance by the Chief Academic Officer. Previous enrollment in a clinical training program at another naturopathic college or other medical college does not allow the student to enter Southwest College's clinical training program without meeting all of the above requirements.

### Off-Site Requirements/Restrictions

- ✘ Required: A minimum of 120 hours completed off-site with at least two different N.D.s.
- ✘ Restricted: A maximum of 450 total is allowed for off-site rotation.
- ✘ Restricted: A maximum of 160 hours may be completed with out of state off-site physicians.
- ✘ Restricted: A maximum of 330 hours allowed for training with an M.D. or a D.O.

### Clinic Registration/Attendance Policy

Clinical registration is done through assigning shifts to students. A shift is the time scheduled with a physician or post supervisor during clinical training rotation. A shift is defined as 40 clock hours (4hrs/week for 10 weeks). Once starting clinical training, all students are required to work three recess breaks out of six during one calendar year (refer to *Clinic Handbook*).

Students need at least 30 shifts to achieve 1200 hours of clinical training. It is the student's responsibility to complete 40 hours in a single shift. The clinical training should be completed in a minimum of eight academic quarters and a maximum of twelve academic quarters. All students are expected to follow the clinical requirements, as outlined in the *Clinic Handbook*, in effect at the time of entrance into clinical training. Excused absences can only be made up during the quarter or the recess following the quarter in which the absence occurred. For unusual situations, students must contact the Clinical Education Coordinator.

Students wishing to add or drop clinic shifts (on-site, off-site, posts, etc.) must do so before the beginning of intensives week. All changes must be approved by the Clinical Education Coordinator. Schedules cannot be changed after the first week of the quarter. *Shifts may only be dropped in extenuating circumstances, no other shift can be substituted for the dropped shift.*

# Clinical Training Program

Students who successfully complete the requirements for eligibility for clinical training may enter the clinical training program at the Medical Center. Refer to *Clinic Handbook*.

## Program of Study

The Program of Study is reflected in academic years. For the purposes of financial aid, an academic year is a sequence of three quarters. The calendar year, which is not to be confused with the academic year, is four quarters. The ND program is designed to be completed in four calendar years.

### Quarter 1 Fall/Spring

#### First Academic Year

(Course Prefix; Course Title; Contact Hours)

NTMD 605	Philosophy & History of Naturopathic Medicine (20)
PSYC 604	Healthy Communication (20)
ANAT 603	Regional Anatomy I/Lab (85)
ANAT 606	Embryology (30)
ANAT 610	Microscopic Anatomy/Lab (50)
BIOC 601	Medical Biochemistry I (60)
HMEO 620	Introduction to Homeopathic Medicine (20)
	Total 285

### Quarter 2 Winter/Summer

#### First Academic Year

NTMD 610	Physician Heal Thyself (20)
ANAT 604	Regional Anatomy II/Lab (105)
PHYS 600	Cell Function & Organ Systems I (70)
BIOC 602	Medical Biochemistry II (60)
NUTR 620	History of Nutrition and Diet/Detoxification (20)
	Total 275

### Quarter 3 Spring/Fall

#### First Academic Year

BOTM 640	Historical Use of Plants as Medicines (20)
ANAT 627	Neuroanatomy/Lab (85)
MGEN 605	Medical Genetics (20)
MICR 640	Microbiology/Lab (50)
PHYS 619	Cell Function & Organ Systems II/Lab (50)
RSCH 810	Basic Concepts of Research (10)
PHYS 629	Endocrinology (40)
PHMD 605	Touch as Treatment (20)
	Total 295

### Quarter 4 Summer/Winter

#### Second Academic Year

HYDR 615	Principles of Hydrotherapy (20)
PHYS 620	Immunology (30)
PSYC 660	Fundamentals of Mind-Body Medicine (20)
OMND 640	Theory and Fundamentals of Oriental Medicine (20)
PUBH 620	Epidemiology (30)
PHYS 630	Cell Function and Organ Systems III (50)
BOTM 680	Pharmacy of Botanical Medicine (20)
PHMD 710	Introduction to Physical Medicine (20)
NUTR 640	Food Analysis (20)
RSCH 830	Conducting Clinical Research (10)
	Total 240

### Quarter 5 Fall/Spring

#### Second Academic Year

PATH 625	Pathophysiology & Disease Process (40)
PHMD 735	Physiotherapy Modalities (20)
PSYC 740	Counseling Theories and Practice (20)
PUBH 670	Concepts & Practices of Public Health (20)
OMND 765	Traditional Chinese Medicine Diagnosis (30)
BOTM 720	Southwest Botanicals (20)
PHMD 740	NMT Assessment & Application I (40)
HYDR 770	Advanced Hydrotherapy Techniques (20)
JURI 720	Jurisprudence (20)
NUTR 680	Integrative Nutritional Biochemistry (30)
RSCH 860	Evaluation of Research (10)
	Total 270

### Quarter 6 Winter/Summer

#### Second Academic Year

PATH 635	Organ Systems & Disease I (40)
PHDX 650	Physical Assessment I (40)
LBDX 650	Assessment of Laboratory Techniques I (20)
RDDX 650	Diagnostic Techniques & Assessment I (20)
CLDX 650	Clinical Assessment I (40)
CLLP 651	Clinical Lab Procedures (20)
CTNG 650	Clinical Case Review I (20)
OMND 682	Meridians & Points I (30)
PHMD 770	NMT Assessment and Application II (40)
ETHC 760	Medical Ethics (20)
	Total 290

### Quarter 7 Spring/Fall

#### Third Academic Year

CLDX 710	Clinical Assessment II (40)
RDDX 710	Diagnostic Techniques & Assessment II (20)
PHDX 710	Physical Assessment II (40)
LBDX 710	Assessment of Laboratory Techniques II (20)
CLLP 711	Medical Procedures (20)
CTNG 710	Clinical Case Review II (20)
NUTR 730	Nutrition Diagnostics & Treatment Protocols (20)
OMND 722	Meridians & Points II (30)
PHAR 640	Drug Classifications (40)
PATH 710	Organ Systems & Disease II (40)
	Total 290

### Quarter 8 Summer/Winter

#### Third Academic Year

CLDX 730	Clinical Assessment III (40)
RDDX 730	Diagnostic Techniques & Assessment III (20)
PHDX 730	Physical Assessment III (40)
LBDX 730	Assessment of Lab Techniques III (20)
CLLP 731	Intravenous Therapy (20)
CTNG 752	Clinical Case Review III (20)
CTNG 740	Clinical Entry Assessment (20)
BOTM 743	Naturopathic Materia Medica, Pharmacognosy & Therapy I (20)
OMND 800	Traditional Chinese Medicine Pathology (30)
PHAR 710	Drug Classifications & Toxicology (40)
MNGT 760	Practice Management I (10)
HMEO 720	Homeopathic Materia Medica, Repertory & Case Taking I (30)
	Total 310

## Quarter 9 Fall/Spring Third Academic Year

BOTM 744	Naturopathic Therapeutics, Materia Medica, Pharmacognosy II (20)
ERMD 740	Emergency Medicine I (20)
CLSC 761	Pediatrics (30)
CLSC 762	EENT (20)
CLSC 763	Neurology (20)
CMGT 764	Case Management (20)
OMND 812	Acupuncture Techniques (20)
HMEO 742	Homeopathic Materia Medica, Repertory & Case Taking II (20)
CLTR 760	Clinical Training (2 shifts) (80)
CLTR 755	Clinical Posts (60)
	Total 310

## Quarter 10 Winter/Summer Fourth Academic Year

OMND 815	Oriental Medicine — Case Analysis (20)
HMEO 782	Homeopathic Materia Medica, Repertory & Case Taking III (30)
CLSC 781	Obstetrics (30)
CLSC 782	Gynecology (30)
CLSC 783	Urology (including Men's Health) (30)
CLSC 790	Geriatrics (20)
CLSC 791	Viral Disorders/HIV (20)
CMGT 784	Case Management (20)
ERMD 760	Emergency Medicine II (30)
CLTR 780	Clinical Training (2 shifts) (80)
	Total 310

## Quarter 11 Spring/Fall Fourth Academic Year

NUTR 752	Nutritional Needs Across the Lifespan (20)
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III (20)
HMEO 810	Patient Management and Case Taking (20)
MSRG 810	Minor Surgery (30)
PUBH 760	Environmental Medicine (20)
CLSC 812	Dermatology (20)
CLSC 813	Endocrinology (20)
CMGT 814	Case Management (20)
MNGT 840	Business Practice Management II (20)
OMND 865	Oriental Medicine — Case Management (20)
CLTR 815	Clinical Training (2 shifts) (80)
	Total 290

## Quarter 12 Summer/Winter Fourth Academic Year

NUTR 810	Eating Disorders & Prescriptions in Addictive Behaviors (20)
BOTM 831	Botanical Medicine Therapeutics — Developing Clinical Proficiency (20)
PSYC 835	Practicum in Mind-Body Healing (20)
CLSC 831	Cardiology (20)
CLSC 832	Pulmonology (20)
CLSC 833	Gastroenterology (20)
CMGT 834	Case Management (20)
RSCH 880	Research — Project (10)
PHAR 780	Drug Comparisons & Detoxification (30)
CLTR 830	Clinical Training (2 shifts) (80)
	Total 260

## Quarter 13 Fall/Spring Fifth Academic Year

MNGT 860	Business Practice Management III (30)
MSRG 890	Advanced Techniques in Minor Surgery (20)
CLSC 861	Rheumatology (20)
CLSC 881	Oncology (20)
CMGT 864	Case Management (20)

PHMD 820	Sports Medicine (40)
CLTR 850	Clinical Training (3 shifts) (120)
	Total 270

## Quarter 14 Winter/Summer Fifth Academic Year

NTMD 880	Analysis & Integration of Naturopathic Philosophy & Practice (20)
CMGT 884	Case Management (20)
MNGT 882	Business Practice Management IV (20)
PSYC 860	Intervention with Transitional Traumatic States of Mental Health (20)
HMEO 862	Advanced Case Management (20)
CLTR 880	Clinical Training (5 shifts) (200)
	Total 300

## Quarter 15 Spring/Fall Fifth Academic Year

GRND 881	Grand Rounds (10)
CLTR 882	Clinical Training (7 shifts) (280)
	Total 290

## Quarter 16 Summer/Winter Sixth Academic Year

GRND 883	Grand Rounds (10)
CLTR 884	Clinical Training (7 shifts) (280)
	Total 290

## Totals for 16-Quarter Degree Program

Classroom/Lab Instruction	3315
Clinical Training	1200
Clinical Posts	60
<b>Total</b>	<b>4575</b>





## Department of Acupuncture & Oriental Medicine

Department Chair: Yong Deng, M.D. (China), L. Ac.

The focus of this curriculum in the Doctor of Naturopathic Medicine Program is to train students to practice safely, competently and to provide basic competency in Traditional Chinese Medicine (TCM) for the diagnosis and treatment of common disorders using acupuncture.

### OMND 640 Theory and Fundamentals of Oriental Medicine (Lecture 20)

This course introduces the fundamental concepts of Oriental Medicine, including Yin Yang, Five Elements theory, Zang-Fu organ systems, Qi, Blood and Body Fluid, Meridian systems, TCM Etiology, Treatment Principles and Eight Phases Theory. This course lays a foundation for further study. Prerequisites: None

### OMND 682; 722 Meridians and Points I, II (Per Course Lecture/Demonstration 30)

This two-course sequence covers the TCM acupuncture points and meridians. The location and function of acupuncture points of each meridian are studied. Practical, hands-on experience in point location occurs under the supervision of an experienced acupuncturist. Prerequisites: OMND 640, ANAT 627 for OMND 682; OMND 682 for OMND 722

### OMND 765 Traditional Chinese Medicine Diagnosis (Lecture/Demonstration 30)

In this course, the basics of TCM history and diagnosis are studied. TCM case-history taking, including the classic ten questions and significance of elucidated symptoms are explored, as well as TCM classic diagnostic techniques such as tongue and pulse diagnosis. The syndrome differentiation based on Eight Principles is also discussed. Prerequisites: OMND 640

### OMND 800 Traditional Chinese Medicine Pathology (Lecture/Demonstration 30)

In TCM, treatment plans are based on symptom patterns. In this course, students will learn to identify key symptoms of the Zang-Fu organ patterns and the method of syndrome differential diagnosis of TCM according to Zang-Fu organ systems theory. Therapeutic principles and acupuncture treatments for individual patterns are also discussed. Prerequisites: OMND 722

### OMND 812 Acupuncture Techniques (Lecture/Demonstration 20)

This course covers basic needling techniques used in acupuncture, such as needle insertion, tonification, reduction, moxibustion and scalp acupuncture. Practical experience in needling technique occurs under the supervision of an experienced acupuncturist. Clean Needle and Safe Needling Techniques are introduced. Prerequisites: OMND 722

### OMND 815 Oriental Medicine Case Analysis and Management I (Lecture/Discussion 20)

In this course, a case analysis approach illustrates the disease entities commonly encountered in clinical practice. Students translate Western disease assessments into TCM syndromes. The differential diagnosis of syndromes is reviewed, along with the therapeutic principles required for effective treatment. Acupuncture protocols are emphasized, along with Chinese prepared medicines and diet therapy. Prerequisites: OMND 722, OMND 800 and OMND 812

### OMND 865 Oriental Medicine Case Analysis and Management II (Lecture/Discussion 20)

This course continues the exploration that began in OMND 815 of case analysis and management of the disease entities commonly encountered in practice. The differential diagnosis of syndromes is reviewed, along with the therapeutic principles required for effective treatment.

Acupuncture protocols are emphasized, along with Chinese prepared medicines. Prerequisites: OMND 815

### OMND 890 Chinese Prepared Medicines (Elective) (Lecture 30)

This course explores Chinese prepared medicines for common syndromes and disorders because the acupuncture practitioner in North America commonly uses them in pill or tincture form as an adjunctive therapy. This course trains the student in the skills necessary to critically evaluate the many products available. Classical Chinese patent medicines and contemporary North American Chinese prepared formulas are discussed. Prerequisites: OMND 765 and OMND 800

## Department of Basic Medical Sciences

Department Chair: Richard Laherty, Ph.D.

The Department of Basic Medical Sciences provides in-depth study of the principles and concepts needed to examine the structure and function of the human body. Courses include study in the areas of anatomy, biochemistry, physiology, pathology and pharmacology. Due to the perspective and philosophy that naturopathic medicine works with the body to reinstate all possible balance toward health, emphasis is placed on studying both the human systems used to maintain health and the transitional pathophysiologic processes that try to maintain life. This comprehensive study creates a foundation for the naturopathic physician to recognize varying stages of disease as well as examine the body mechanisms used to regain health. Students are required to participate in the dissection of formaldehyde methanol-preserved cadavers in anatomy labs.

### ANAT 603 Regional Anatomy I/Laboratory (Lecture 55) (Laboratory 30)

This is the first of a two-quarter sequence in human gross anatomy. This course will examine the back, thorax and upper extremity. Cadaver dissection is required. Anatomical models, radiographic anatomy, living anatomy and clinical presentations may be used to demonstrate anatomical concepts. Clinical correlations will be presented when appropriate. Prerequisites: None

### ANAT 604 Regional Anatomy II/Laboratory (Lecture 65) (Laboratory 40)

This course is a continuation of ANAT 603. This course will examine the head and neck regions, abdomen, pelvis and lower extremity. Cadaver dissection is required. Anatomical models, radiographic anatomy, living anatomy and clinical presentations may be used to demonstrate anatomical concepts. Clinical correlations will be presented when appropriate. Prerequisites: ANAT 603

### ANAT 606 Embryology (Lecture 30)

This course studies the origins and development of body systems. Focus is on the fetal development of major anatomical structures and systems of the body. Students experience a variety of slides and models to understand developmental concepts and processes. Prerequisites: None

### ANAT 610 Microscopic Anatomy/Laboratory (Lecture 30/Laboratory 20)

This course constitutes a thorough study of the microscopic anatomy of the human body. The class will examine cellular anatomy (cytology), anatomy of the tissues (histology) and finally the microscopic anatomy of the organ systems. Structural correlations with function will be emphasized. Prerequisites: None

### ANAT 627 Neuroanatomy (Lecture 65) (Laboratory 20)

The study of the central nervous system and how it interacts with the peripheral nervous system and the body in general. Clinical correlations will be emphasized when appropriate. Prerequisites: ANAT 604, PHYS 600

**BIOC 601 Medical Biochemistry I** (Lecture 60)

This is the first of a two-quarter sequence in medical biochemistry. This course will examine protein structure and how that structure relates to protein function. Enzyme function and regulation will be studied. Finally, carbohydrate metabolism will be examined. Prerequisites: None

**BIOC 602 Medical Biochemistry II** (Lecture/Æ 60)

This is the continuation of BIOC 601. It will continue the study of the body's metabolic process by concentrating on lipid metabolism, amino acid metabolism and nucleic acid metabolism. Prerequisites: BIOC 601

**PATH 625 Pathophysiology and Disease Process**

(Lecture/Demonstration 40)

The first of a three-course sequence examines the progression of normal tissue function to abnormal states. The study of disease is emphasized by understanding the patho-physiologic processes that act on healthy tissue when the body is not effective in adapting to biological stress. The study of the disease process involving each organ system is included as well as cell injury, inflammation, necrosis, neoplasm and repair. Prerequisites: ANAT 627, PHYS 629, PHYS 620, PHYS 630, ANAT 610 and MICR 640

**PATH 635 Organ Systems and Disease I** (Lecture/Demonstration 40)

This second course of a trilogy in Pathology follows an introduction to general principles and pathophysiology of disease and introduces disease by selected organ systems including cardiovascular, hematologic, pulmonary and gastrointestinal systems. Clinicopathologic correlations and visual aids including illustrations of gross and microscopic examples of disease are utilized extensively. Prerequisites: PATH 625

**PATH 710 Organ Systems and Disease II** (Lecture/Demonstration 40)

This third in a trilogy of Pathology courses continues the focus on organ system disease. General pathologic principles and mechanisms of injury, inflammation, infection, repair, genetics and neoplasia are applied to understanding the nature of organ and specific patterns of disease involving renal, genito-urinary, endocrine, skeletal muscular and nervous systems. Clinicopathologic and microscopic examples of disease are utilized extensively. Prerequisites: PATH 635

**PHYS 600 Cell Function and Organ Systems I/Laboratory**

(Lecture 50) (Laboratory 20)

This is the first of a three-quarter sequence examining the normal function of the human body. This first course will explore the function of cells, muscle and nerve. The study of regulatory mechanisms will be emphasized. Prerequisites: None

**PHYS 619 Cell Function and Organ Systems II/Laboratory**

(Lecture 40) (Laboratory 10)

In this second course of the physiology sequence the function and regulation of the cardiovascular and respiratory systems will be examined. Prerequisites: PHYS 600

**PHYS 620 Immunology** (Lecture 30)

This course examines the function of the human immune system and the response to both internal and external stressors. Key concepts in the study of immunology are emphasized with the understanding that this intricate system is critical to understanding the protective, adaptive and healing responses found in medical practice. Prerequisites: PHYS 600

**PHYS 629 Endocrinology** (Lecture 40)

This course examines the functions and the physiologic relationships found in the endocrine system. This course also examines how the endocrine system responds to initial pathophysiological changes. Prerequisites: PHYS 600

**PHYS 630 Cell Function and Organ Systems III/Laboratory**

(Lecture 40) (Laboratory 10)

The final course in this sequence will examine the function and regulation of the digestive and urinary systems. Prerequisites: PHYS 619

**MICR 640 Microbiology and Infectious Diseases**

(Lecture 30) (Laboratory 20)

In this course, students identify and examine the microorganisms that are associated with human disease. This includes evaluation of virulence factors, modes of transmission, epidemiology and general pathology in bacteria, viruses, parasites and fungi. Students will correlate these factors with signs/symptoms that are present in humans as a result of microbial infection. In addition, students will perform complementary practical laboratory experiments and case analysis of clinical isolation and identification of organisms. Prerequisites: BIOC 602 and PHYS 620

**MGEN 605 Medical Genetics** (Lecture 20)

This course covers medically oriented Mendelian and biochemical genetics. Emphasis is placed on the detailed understanding of nucleic acid metabolism, DNA, RNA, transcription and translation, post-translational events, Mendelian inheritance, general immunogenetics, concepts in differentiation, genetic control mechanisms, general oncogenetics, PCR, RFLP, biochemical lesions and general bacterial and viral genetics. Prerequisites: BIOC 602

**PHAR 640 Drug Classifications** (Lecture 20)

This course focuses on the principles and mechanisms of drug action and the purposes for utilizing pharmaceutical interventions. Emphasis is placed on drug classifications that act on neurotransmitter systems, including adrenergics, cholinergics, anticholinergics, psychotropics, anti-Parkinson's, dopamines, benzodiazepines and drugs of abuse. Included are an overview of pharmaceutical environment, legal and statutory issues and basic terminology. Prerequisites: PHYS 630 and BIOC 602

**PHAR 710 Drug Classifications and Toxicology** (Lecture 40)

This course continues the discussion of drug classifications, their mechanisms and purposes and includes those that deal with the cardiovascular and hormonal systems as well as antibiotics and antivirals. Included are drugs that are used to treat cancer. While side effects, toxicity, potentiating effects and detoxification are included in this course and PHAR 640, emphasis is placed on toxicology. Prescription writing is included. Prerequisites: PHAR 640

**Department of Botanical Medicine**

Department Chair: Debra Brammer, N.D.

This department directs the study of plants as medicine.

Classes are offered in several venues: the field, pharmacy laboratories and the classroom. Classes focus on historical use of plants as medicine, current research, pharmacognosy, clinical application of knowledge and case analysis and management. In accordance with the philosophy of naturopathic medicine, emphasis is not only on the study of botanical medicine, but also on how combinations of botanicals, with other herbs, drugs and foods, create effects in people for the promotion of health and prevention of disease.

**BOTM 640 Historical Use of Plants as Medicines**

(Lecture Seminar 20)

This course introduces students to the history and development of botanical medicine. The philosophies and contributions of important historical figures in herbal medicine history are presented. Students review how plants are medicinally and botanically classified and how those categories are pharmacologically recognized. Students associate major medicinal herbs with particular organ systems and explore botanical pharmacy by examining differences and advantages of a variety of herbal preparations. Also emphasized in the naturopathic *Materia Medica* are the scientific names, properties, uses and pharmacological basis for the use of selected plants. Prerequisites: None

**BOTM 680 Pharmacy of Botanical Medicine (Lecture 20)**

This is a hands-on course familiarizing students with the preparation of herbal medicine. Students actively participate in the preparation of herbal tinctures, teas, poultices, compresses, syrups, creams, ointments, emulsions, suppositories and capsules. Students examine the comparable advantages and disadvantages of each type of preparation, and how pharmacognosy provides an understanding of optimizing medicinal preparations for each plant. Emphasis is also on prescription writing and utilizing organoleptic testing to assess medicinal preparation identity and quality. Prerequisites: BOTM 640

**BOTM 720 Southwest Botanicals (Seminar/Field Trip 20)**

In this course, students gain experiential knowledge of local desert second regional botanicals in their natural habitat. Emphasis is on observing local plants growing in their natural habitats to assess growing conditions, taxonomy and local ecology. Students identify and learn how to use medicinal plants, collect samples for pressing and are introduced to gathering medicinal plants for use. Students integrate this information into first-aid remedies for emergency medical situations. This course is a required field trip. Students are required to participate in this class at scheduled times and locations. Prerequisites: BOTM 640

**BOTM 743, 744 & 817 Naturopathic Materia Medica Pharmacognosy and Therapeutics I, II, III (Per Course Lecture 20)**

These consecutive courses are designed for students to gain the necessary knowledge and skills to assess and evaluate botanicals in the naturopathic *Materia Medica* and to develop botanical treatment protocols. Students evaluate botanicals from an organ system perspective. These include gastrointestinal, hepatic/gallbladder, respiratory, immune, cardiovascular, reproductive, urinary, endocrine, musculoskeletal and nervous systems. Material presented about each botanical includes taxonomy, description, habitat, part(s) used, pharmacognosy, historical and current medicinal actions and uses and pharmacy, all of which are used to critically analyze the application of these botanicals for therapeutic formulations. Prerequisites: BOTM 640 and BOTM 680

**BOTM 831 Botanical Medicine Therapeutics - Developing Clinical Proficiency (Seminar/Lecture 20)**

This course is designed to prepare students in developing the botanical expertise needed to meet the demands of a broad-based naturopathic practice. Students will be able to integrate the knowledge of botanical therapeutics and the assessment of individual case requirements into clinically based protocols. Emphasis is on botanical formulations and botanical case management. Prerequisites: BOTM 743, 744, 817; Eligibility to enter clinical training

**Department of Clinical Therapeutics**

This department provides courses that examine the skills and conventional medical knowledge necessary to all physicians. While training students to become competent in the necessary, basic in-office skills, these courses also examine referral guidelines to other healthcare providers. The courses in the Department of Clinical Therapeutics include pharmacology, emergency medicine and minor surgery.

**ERMD 740/760 Emergency Medicine I, II (ERMD 740 20 ; ERMD 760 30)**

This two-course sequence provides students with experiences to differentially diagnose signs, symptoms and situations in acute medical care. Students learn to recognize emergency signs and situations possible in all organ systems. Emphasis is on the integration of current allopathic drugs and procedures and the complementary practice of acute care by naturopathic physicians. Prerequisites: PHDX 650 for ERMD 740, PHAR 710 and ERMD 740 for ERMD 760

**MSRG 810 Minor Surgery (Lecture/Lab 30)**

This course provides students with both the foundation and hands-on experience of conducting minor surgery. These include incisions and

excisions, cyst and mole removals, suturing, cautery, hyfricator, cryoprobe, topical and local anesthetic injections and skin biopsies. Included are the diagnostic and patient-management components of determining the need for minor surgery. Aseptic technique is emphasized, along with procedures required for emergencies. Appropriate surgical referral is also covered. Prerequisites: ERMD 740, 760; Eligibility to enter Clinical Training

**MSRG 890 Advanced Techniques in Minor Surgery (Lecture/Lab 20)**

This course is a continuation of MSRG 810 and offers students additional training in minor surgery skills, building on the foundation of MSRG 810. Prerequisites: MSRG 810

**PHAR 780 Drug Comparisons and Detoxification (Lecture 30)**

In this course, students study drug comparisons between the pharmaceuticals previously studied and available natural therapies. Emphasis is on conservative approaches to pharmaceutical therapies to manage acute problems while detoxifying and substituting natural therapies. Prerequisites: BOTM 743 and PHAR 710

**Department of Diagnostics**

To prepare for the role of primary-care physician, the student of naturopathic medicine must become skilled in correlating and presenting histories and subjective symptoms, physical signs and appropriate lab tests with a detailed evaluation of the body's level of health and the patient's mental balance and well-being.

The courses in the Department of Diagnostics provide students with the principles and skills to perform physical examinations to identify appropriate lab testing and diagnostic procedures and to make appropriate differential diagnostic assessments. These courses are practice-based and provide students opportunities for case analysis.

**CLDX 650 Clinical Assessment I (Lecture/Demonstration 40)**

The first of a three-course sequence is designed to teach students how to accurately diagnose patients through the collection and interpretation of information such as histories, presenting signs and symptoms, physical exams and lab findings. Students are also introduced to patient management skills used in coordinating assessment and treatment protocols. An organ-systems approach is used with skin, eye, ear, nose, throat, and blood systems covered. Prerequisites: ANAT 627, PHYS 628, BIOC 602 and MICR 640. Co-Requisites: CTNG 650

**CLDX 710 Clinical Assessment II (Lecture/Demonstration 40)**

This is the second of a three-course sequence designed to instruct students in the diagnosis of disease. The systems covered in this course include cardiovascular and peripheral vascular, respiratory, gastrointestinal and endocrine. Prerequisites: CLDX 650. Co-Requisites: CTNG 710

**CLDX 730 Clinical Assessment III (Lecture/Demonstration 40)**

This is the third in a three-course sequence designed to instruct students in the diagnosis of disease. The systems covered in this course include neurological, musculoskeletal, behavioral, urinary, male reproductive and gynecological disorders. Prerequisites: CLDX 710. Co-Requisites: CTNG 752

**CTNG 650 Clinical Case Review I** (Case review 20)

This is the first course in a three-course sequence that provides students with the opportunity to observe and participate in the process of establishing a patient diagnosis. History-taking, differential diagnosis, laboratory test selection and case management are demonstrated and practiced. Disorders of the skin, eyes, ears, nose, throat and blood are the focus in this course. Co-Requisites: Concurrent enrollment in CLDX 650

**CTNG 710 Clinical Case Review II** (Case review 20)

The second course in a three-course sequence provides the opportunity to observe and participate in the process of establishing a patient diagnosis. Disorders of the heart and peripheral vascular system, respiratory, gastrointestinal tract, and endocrine system are the focus in this course. Prerequisite: CTNG 650. Co-Requisites: Concurrent enrollment in CLDX 710

**CTNG 740 Clinical Entry Assessment** (Lecture/Demonstration 20)

The primary focus of this course is to provide students with an orientation of clinical policies and procedures. The outcome of the course is to critically assess student competence in the basic knowledge and skills required for entry into clinical rotations. A competency examination is a requirement of this course. Prerequisite: CLDX 710 and PHDX 710 Co-Requisite: CTNG 730 and CLDX 730

**CTNG 752 Clinical Case Review III** (Case review 20)

The third course in a three-course sequence provides the opportunity to observe and participate in the process of establishing a patient diagnosis. Disorders of the nervous system, musculoskeletal system, behavioral disorders, urinary, reproductive system, and gynecological disorders are the focus in this course. Prerequisite: CTNG 710 Co-Requisites: Concurrent enrollment in CLDX 730

**PHDX 650 Physical Assessment I** (Lecture 40)

This is the first of a three-course sequence in which students are taught interview skills and how to perform routine and specialty physical examinations. Emphasis is on both normal variations and abnormal findings. Students learn to write physical assessments and chart according to SOAP format. Further focus is on naturopathic aspects of physical examinations. An organ-systems approach is utilized, with skin, eye, ear, nose, throat, and blood systems covered in this course. Prerequisites: ANAT 627 and PHYS 628

**PHDX 710 Physical Assessment II** (Lecture 40)

This is the second of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Systems covered in this course include cardiovascular and peripheral vascular, respiratory, gastrointestinal and endocrine. Prerequisites: PHDX 650

**PHDX 730 Physical Assessment III** (Lecture 40)

This is the third of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Neurologic, musculoskeletal, behavioral disorders, urinary, male reproductive and gynecological disorders are covered. Also covered are wellness and specialty naturopathic examinations. Prerequisites: PHDX 710

**LBDX 650 Assessment of Laboratory Techniques I** (Lecture 20)

This is the first of a three-course sequence that focuses on the integration of the collection of laboratory results with the assessment of patient's sign and symptoms to establish the diagnosis and aid in patient management. This course covers the use of complete blood count, blood cell morphology, immunohematology and blood function tests in the diagnosis and management of anemia, myeloproliferative diseases, autoimmune diseases, infection and homeostasis. Prerequisites: PHY 619, BIOC 602 and MICR 640. Co-Requisites: CLDX 650, CLLP 651, and CTNG 650

**LBDX 710 Assessment of Laboratory Techniques II** (Lecture 20)

This is the second of a three-course sequence, and covers the use of blood chemistry tests, gastrointestinal function tests, cardiac function tests, kidney function tests, urinalysis and endocrine function tests in the diagnosis and management of patients. Prerequisites: LBDX 650 Co-Requisites: CLLP 711, CTNG 710, CLDX 710

**LBDX 730 Assessment of Laboratory Techniques III** (Lecture 20)

This is the third of a three-course sequence, and covers the use of stool analysis, hair analysis, allergy assessment, gynecological tests and cancer testing in the diagnosis and management of patients. Prerequisites: LBDX 710. Co-Requisites: CLLP 731, CTNG 752, and CLDX 730

**CLLP 651; 711; 731 Clinical Laboratory Procedures** (Lecture/Lab 20)

This three-term course series provides the practicum/laboratory experience that complements the Laboratory and Clinical Assessment lecture series. In-office laboratory, clinical procedures, including intravenous therapy, will be demonstrated and practiced in this course, with the goal of training students in the selection and application of these procedures for the diagnosis and management of patients. Co-Requisites: Concurrent enrollment in LBDX 650 for 651; LBDX 710 for 711 and LBDX 730 for 731

**RDDX 650; 710; 730 Diagnostic Technique and Assessment I, II, III** (Per course Lecture 20)

In this three-course sequence, fundamental radiographic theory and visual interpretation of common disorders in each body system are covered. Students learn to discern normal and abnormal findings. Techniques of conducting effective and safe assessments are included. Prerequisites: MGEN 605, ANAT 604 and PHYS 619 for RDDX 650; RDDX 650 for RDDX 710; RDDX 710 for RDDX 730

**Department of Environmental Medicine & Public Health**

Although those in the medical profession recognize public health needs, the naturopathic physician's work in prevention and chronic disease particularly creates the ability to envision, research and fulfill the needs of community health. Examining the impact of naturopathic medicine on and the role of the naturopathic physician in public health is the underlying perspective found in the courses of the Department of Environmental Medicine and Public Health.

**PUBH 620 Epidemiology** (Lecture 30)

This course examines the cause, spread and control of communicable disease. Students are provided a view of epidemiological methods and the historical content for the effects of global microbe transmission and the evolution of public health measures in response to epidemics. Health risk factors are identified as students study preventative medicine. Students are also exposed to general epidemiological statistics and their meaning in examining health policy, public health, clinical interventions and health outcomes. Prerequisites: None

**PUBH 670 Concepts and Practices in Public Health** (Lecture 20)

This course continues the study of public and preventative health, emphasizing the role of the naturopathic physician in the community. Guest lectures by visiting specialists give a current perspective on the services offered by public health agencies. Students examine world health as affected by environmental pollutants and global microbial transmission. Discussions regarding needed leadership and interventions to affect policy and actions required to impact the health of at-risk communities are included. Prerequisites: PUBH 620

**PUBH 760 Environmental Medicine: Assessment and Detoxification** (Lecture 20)

This course focuses on the toxicology and the synergistic chemical effects of xenobiotics in the environment, food, home and workplace. Chemicals are examined with a view to their effects on infants and children. Testing procedures are outlined and detoxification, desensitization and treatment options are explored. Prerequisites: BIOC 602; PHAR 640; PUBH 620; MICR 640

## Department of Homeopathic Medicine

**Dolisos Department Chair: Stephen Messer, N.D., D.H.A.N.P.**

Historically, naturopathic medicine has honored the prescription of homeopathic medicines for both acute and chronic conditions. The courses in the Department of Homeopathic Medicine prepare the naturopathic medical student to be competent in case-taking, prescription, and management of the naturopathic patient. Emphasis is on the recognition of the body's process of healing. Students study the historical, current and evolving use of homeopathic medicines in naturopathic practice.

### **HMEO 620 Introduction to Homeopathic Medicine** (Lecture 20)

Students learn the history, philosophy and principles of homeopathy, including the *Organon of Medicine* and case studies. The course material covers remedy provings and preparation, first-aid remedies, and the basics of homeopathic case analysis. The case studies in HMEO 620 emphasize acute conditions; in addition, students are introduced to homeopathic treatment of chronic disease. Prerequisites: None

### **HMEO 720;742;782 Homeopathic Materia Medica Repertory & Case-taking I, II, III** (HMEO 720 Lecture 30) (HMEO 742 Lecture 20; 782 Lecture 30)

This is a three-course sequence in which students learn case-taking, case analysis, and use of the repertory and study of *Materia Medica*. Particular attention is paid to case-taking and case analysis which, when correctly performed, lead to accurately perceiving what must be cured in individual patients. Over the series of classes, case presentations of increasing difficulty illustrate how to match case analysis with what is curative in homeopathic remedies (materia medica). The courses present a mix of acute and chronic (miasmatic) case studies and materia medica leading to knowledge of both commonly prescribed "polycrests" and smaller remedies. Prerequisites: HMEO 620 for 720; HMEO 720 for 742; HMEO 742 for 782

### **HMEO 810 Patient Management and Case-Taking**

(Lecture/Demonstration 20)

Students focus on the art of homeopathic medicine. This course emphasizes in-depth materia medica, sharpening skills in history-taking, analyzing and managing patients with multi-layered and complex diseases, and long-term follow-up. Prerequisites: HMEO 782, Eligibility to enter Clinical Training

### **HMEO 862 Advanced Case Management** (Seminar 20)

Students focus on advanced topics in homeopathic medicine and how to integrate homeopathy with general naturopathic practice. This course emphasizes sharpening skills in case analysis; managing patients with severe, acute, and chronic conditions; and advanced study of materia medica. Prerequisites: HMEO 810

### **HMEO 890 Advanced Materia Medica**

(Elective) (Lecture Demonstration 20)

Students expand their knowledge of the homeopathic materia medica, studying more than 100 small remedies. Homeopathic therapeutics, or homeopathic differentials, assist students in treating and managing patients with acute and chronic illnesses. Prerequisites: HMEO 862

## Institute for Human Individuality

The Institute for Human Individuality is an interdisciplinary department that serves to highlight the importance of individuality in healing and health by focusing on the relationship between health and individual genetics, environment, personality and lifestyle.

The mission of the Institute is to advance the scientific basis and clinical application of human individuality in health and disease, through medical education, outreach, research and patient care.

The vision of the Institute is to improve patient care by tailoring treatments to the individual's known genetic markers, as well as the analysis of environment, personality and lifestyle, and to transform medicine through individualized patient treatments in: therapeutic nutrition, pharmacology including botanical medicine and prescription drugs, diet and lifestyle counseling.

## Department of Mind-Body Medicine

**Department Chair: John Dye, N.D.**

The philosophy of naturopathic medicine emphasizes the patient's ability to learn how to listen to the body for signs of health or imbalance. The naturopathic physician also closely listens for clues to the patient's health found not only in symptoms of the body, but of the mind and spirit as well. The patient is a partner in learning about health and learning to experience the sense of well-being that emanates from good health. These courses emphasize the intuitive, communicative and therapeutic skills needed to be an effective practitioner. Focus is placed on the body, mind and spirit interactions found within the patient's health needs and in the doctor/patient relationship.

### **PSYC 604 Healthy Communication** (Seminar 20)

This course is a practical workshop in communication skills. Students examine communication techniques that are used to listen, express and identify solutions. This class is designed for students to learn effective communication in their roles as student, physician, teacher, spouse/partner, friend and family member. Practical strategies for responding to and managing stress and conflict are also examined and incorporated into the repertoire of practitioner skills. Prerequisites: None

### **PSYC 660 Fundamentals of Mind-Body Medicine** (Lecture 20)

This course provides the foundation necessary to understand the dynamics and psychobiology of mind-body healing, psychoneuroimmunology, and spiritual dimensions in healing. Techniques such as prayer, meditation, imagery, hypnosis, biofeedback, talk therapy, shamanism and psychic healing are discussed and critically examined as therapeutic approaches. The role of the practitioner in behavioral diagnosis, healing and appropriate referral is addressed. Prerequisites: None

### **PSYC 740 Counseling Theories and Practice** (Lecture 20)

The primary focus in this course is for students to develop effective communication with their patients. A comprehensive overview of counseling skills and techniques is presented as well as the stages of the helping process and communication skills. The multi-modal model of counseling is critically examined as a primary approach in the helping relationship. Patient education and ethical and legal issues are discussed. Students are provided with cases for analysis and given opportunities to build their skills in communication and counseling. Prerequisites: None

**PSYC 835 Practicum in Mind-Body Healing**

(Lecture/Demonstration 20)

This course allows students to begin utilizing methodologies and techniques in mind-body healing. These are discussed and integrated as intervention techniques applied within a clearly outlined treatment plan. The use and effectiveness of these techniques are critically evaluated. Students practice and develop their skills in mind-body healing. Guest lecturers discuss the most current approach and provide effective role models. Prerequisites: PSYC 740, PSYC 660; Eligibility to enter Clinical Training

**PSYC 860 Intervention with Transitional Traumatic States of Mental Health** (Lecture/Seminar 20)

This course provides students with necessary foundations and general strategies to recognize, intervene, and refer patients who are experiencing transitional/traumatic states of mental health. The elements of family dynamics, the impacts of death and dying, suicide, and domestic violence are explored. Legal and ethical issues related to these behavioral health dimensions are explored. The use of agencies and referral sources is emphasized, and crisis intervention and other strategies for dealing with emergency situations. Prerequisites: Eligibility to enter Clinical Training

**PSYC 890 Advanced Practicum in Mind-Body Healing (Elective)**

(Lecture/Demonstration 20)

This course provides students with advanced training in specific mind-body healing approaches. The emphasis is on assessment and development of treatment plans and effective psychological intervention skills. Both simulated and real cases are used to build student effectiveness as a mind-body practitioner. Individual demonstrations and group counseling experiences are provided under supervision. Prerequisites: PSYC 835

**Department of Naturopathic Medicine & Clinical Training**

Courses in this department emphasize the practical application of natural medicine. Classes are provided in the historical, philosophical, professional, legal and ethical dimensions of practice. Clinical entry courses help the student focus on the necessary skills and observations needed to become a successful practitioner. This department includes the broad scope of courses devoted to integrating the use of modalities and therapeutic protocols into practice that is consistent with natural medical philosophy. Students learn the skills of case analysis and case management.

**Clinical Sciences (CLSC)** (Per Course Lecture 20)

This series of courses reviews the clinical/physical and laboratory diagnosis of conditions by organ system. Emphasis is placed on appropriate differential diagnosis and assessment of the most common pathologies present in a naturopathic general practice. Students are guided through naturopathic and allopathic treatment considerations. Discussion of referral and collaboration with other healthcare providers is discussed.

**Integrative Naturopathic Case Management (CMGT)**

(Per Course Lecture 20)

This series of courses focuses on clinical case analysis and management with the application of naturopathic principles of healing in various therapeutic modalities. Students are presented with a variety of cases from the organ system areas covered in Clinical Sciences. Naturopathic treatment approaches and case management are emphasized.

Quarter 5**JURI 720 Jurisprudence** (Lecture 20)

This course provides an overview of the legal system and laws that relate to general medical and naturopathic medical practice at both the state

and federal levels. Topics include health policy development, analysis, and implementation; licensure and registration laws; regulatory boards and their responsibilities; practicing in unlicensed states; legislative lobbying; employment practices; OSHA, FDA and CLIA regulations; professional liability and unprofessional conduct; malpractice; credentialing; peer review and risk management; and legal issues related to patient/physician relationships such as confidentiality, informed consent, and patient rights. Prerequisites: None

Quarter 6**ETHC 760 Medical Ethics** (Lecture 20)

This course provides students with the philosophical and theoretical foundations to critically examine ethical issues in medical practice. The elements of ethical decisions are evaluated in light of legal, moral, spiritual, religious and economic perspectives. Cases are used to provide students with the ability to evaluate ethical dilemmas and to make clinical decisions based on ethical principles. Also discussed are the use of alternative and experimental therapies, informed consent and institutional review boards for research protocols.

Quarter 8**MNGT 760 Practice Management I**

(Lecture/Demonstration/Guest Speakers 20)

This is the first of a four-course sequence, where students are introduced to management concepts, marketing and office operations. In this particular segment, networking, community involvement, finding and selecting a mentor and public speaking will be emphasized.

Quarter 9**CLSC 761 Pediatrics** (Lecture 20)

This course focuses on the assessment of common problems in infancy, childhood and adolescence. Emphasis is on normal developmental milestones, disease prevention and the treatment of common childhood conditions. Appropriate referral is addressed. Prerequisites: Clinical Entry Assessment, PHAR 710, CLDX 650, 710, 730, LBDX 650, 710, 730, PHDX 650, 710, 730, RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 762 Eyes, Ears, Nose & Throat (EENT)** (Lecture 20)

This course covers the diagnosis and treatment considerations of common EENT conditions. EENT emergencies and problems needing referral are emphasized. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 763 Neurology** (Lecture 20)

This course reviews the basic neurological exam and the diagnosis and treatment of diseases of the nervous system. Recognition of conditions requiring referral for specialized diagnostic procedures and care are addressed. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650; 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CMGT 764 Case Management** (Lecture 20)

Clinical case analysis and management of pediatric, EENT and neurological disorders is discussed. Co-Requisites: CLSC 761, 762, 763

Quarter 10**CLSC 783 Urology** (Lecture 20)

Conditions of the urinary tract, kidney and male reproductive system are discussed. Recognition of conditions requiring referral for specialized care are addressed. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CMGT 784 Case Management** (Lecture 20)

Clinical case analysis and management of obstetric, gynecologic and urologic disorders are discussed. Co-Requisites: CLSC 781, 782, 783

**CLSC 790 Geriatrics** (Lecture 20)

This course examines the process of aging with an emphasis on exploring the psychosocial challenges and common physical problems older adults encounter. The format stresses preventing, reversing or retarding degenerative changes, and maximizing overall health. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 791 Viral Disorders/HIV** (Lecture 20)

This course focuses on chronic viral and common autoimmune disorders. The student is trained to understand the predisposition, etiology, course, and diagnosis of these conditions. Special emphasis is placed on HIV and CFIDS. Naturopathic therapeutics are covered in depth. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

Quarter 11**CLSC 812 Dermatology** (Lecture 20)

The assessment of common skin disorders and the identification of serious skin lesions are covered. Emphasis is placed on non-suppressive/curative naturopathic treatment. Prerequisites: Clinical Entry Assessment, PHAR 710, CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 813 Endocrinology** (Lecture 20)

This course focuses on the complex interactions of the human hormonal system and the causes and effects of metabolic and hormonal imbalances. A review of standard medical treatment is discussed. Prerequisites: Clinical Entry Assessment, PHAR 710, CLDX 650, 710, 730, LBDX 650, 710, 730, PHDX 650, 710, 730, RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CMGT 814 Case Management** (Lecture 20)

Clinical case analysis and management of obstetric, dermatologic and endocrine disorders. Co-Requisites: CLSC 812 and 813

**MNGT 840 Business Practice Management II**

(Lecture/Demonstration/Guest Speakers 20)

The second in the series of four courses focusing on building and maintaining a practice culminated with the preparation of a marketing plan for a start up practice. Introductions to financial concepts, administrative operations, management reporting and their links to marketing will be given. Prerequisites: MNGT 760, must be in clinical training.

Quarter 12**CLSC 831 Cardiology** (Lecture 20)

This course focuses on the pathophysiology, diagnosis, and assessment of conditions affecting the heart and circulatory system. Therapeutic considerations for common conditions are discussed. Appropriate and emergency referral is emphasized. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 832 Pulmonology** (Lecture 20)

This course will focus on common respiratory disorders including those conditions related to cardiovascular disease. Naturopathic and allopathic medical therapies of acute and chronic respiratory problems are covered. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 833 Gastroenterology** (Lecture 20)

This course examines disorders of the digestive tract and related organs. Laboratory assessment, diagnostic imaging, and integrative therapeutics are discussed. Prerequisites: PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CMGT 834 Case Management** (Lecture 20)

Clinical case analysis and management of heart, lung and digestive disorders. Co-Requisites: CLSC 831, 832, 833

Quarter 13**CLSC 861 Rheumatology** (Lecture 20)

This course focuses on the inflammatory conditions of the connective tissue, muscles and joints. Emphasis is placed on the diagnosis and treatment of autoimmune disorders. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CLSC 881 Oncology** (Lecture 20)

This course examines the epidemiologic, etiologic, diagnostic, prognostic and preventative assessment of commonly occurring cancers. Medical alternative and innovative therapeutic approaches are discussed. A comprehensive approach to patient management is emphasized. This course includes guest lecturers from various cancer specialties and disciplines. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

**CMGT 864 Case Management** (Lecture 20)

Clinical case analysis and management of geriatric, rheumatology and viral/HIV disorders. Co-Requisites: CLSC 861 and 881

**MNGT 860 Business Practice Management III** (Lecture/Demonstration 30)

This is the third in the management series where marketing foundations are combined with financial and administrative aspects of running a practice. Fiscal and insurance management, managed care, business entity selection, human resources, operating systems management including application of business management principles to a business plan for a small naturopathic office, will be discussed. Students are required to create and present a business plan. Prerequisites MNGT 840, must be in clinical training

Quarter 14**CMGT 884 Case Management** (Lecture 20)

Clinical case analysis and management of oncology disorders and special topics.

**MNGT 882 Business Practice Management IV** (Lecture/Demonstration 20)

This course focuses on the leadership activities and professionalism of the physician and their role in communities, politically as well as in business. Specialized topics of current interest for the emerging naturopathic physician will be emphasized. Prerequisites MNGT 860, must be in clinical training

Other courses**NTMD 605 Philosophy of Naturopathic Medicine and History of Medicine** (Lecture 20)

Students are introduced to the historical context of naturopathic medicine as it relates to the development and evolution of practice. Students review ancient, medieval, cultural and historical trends in medicine as a whole and in naturopathic medicine. This class will also explore the inclusion of the socioeconomic, political, legal, ethical and patient-management perspectives in understanding the issues faced by naturopathic physicians today. The naturopathic philosophical framework is examined along with its therapeutics and modalities and how they apply to naturopathic principles. Emphasis is placed on the current professional, legal and economic status of naturopathic medicine and strategies with regard to its advancement within the American healthcare system. Prerequisites: Admission to the ND program.

**NTMD 610 Physician Heal Thyself** (Lecture 20)

In this course, students explore concepts in communication, Nature Cure and the historical health practice of naturopathic physicians and plan their personal health goals. Prerequisites: NTMD 605

**NTMD 880 Analysis and Integration of Naturopathic Philosophy and Practice** (Lecture/Seminar 20)

In this course, students have the opportunity, at the end of their program, to re-examine the philosophy and principles of naturopathic medicine for use in their own practices. Also included is discussion which outlines actions students may take to advance the profession as they begin their own practices. Prerequisites: NTMD 610, fourth-year academic status

**Department of Nutrition**

**Department Chair: Cheryl Deroin, N.D.**

The courses in the Department of Nutrition focus on the biochemical use of nutrition to regain and rebuild health. Courses emphasize food analysis, specialized dietary therapeutics and naturopathic protocol for nutritional treatment plans.

**NUTR 620 History of Nutrition and Diet/Detoxification** (Lecture/Demonstration 20)

This course examines the philosophy and basic principles of nutrition and detoxification in naturopathic medicine. It focuses on historical trends and specific individuals who have contributed to the foundation of nutrition. Students have the opportunity to experience different methods of detoxification.

**NUTR 640 Food Analysis** (Lecture/Demonstration 20)

This course examines food sources of macronutrients, water, fiber and enzymes, plus the analysis of biochemical changes and physiologic effects brought about by these nutrients. Prerequisites: BIOC 602, ANAT 627, PHYS 628, PHYS 630

**NUTR 680 Integrative Nutritional Biochemistry and Diagnosis** (Lecture 30)

This course examines the primary metabolic pathways for water-soluble and fat-soluble vitamins, macronutrients, micronutrients and trace elements. It relates the biochemistry of nutrients to the interaction of other nutrients, deficiency and toxicity symptoms and therapeutics. Also included is the evaluation of sample patient cases using dietary analysis and interpretation of nutritional signs and symptoms that correspond to physiologic and pharmacologic effects of specific nutrients. Prerequisites: NUTR 640

**NUTR 730 Nutritional Diagnostics and Treatment Protocols** (Lecture 20)

This course offers students the opportunity to examine the clinical use of therapeutic diet and nutritional supplementation in health disorders. Students gain experience in analyzing individual diets and food choices. Students formulate and write treatment protocols for individualized patient cases. Prerequisites: NUTR 680

**NUTR 752 Nutritional Needs Across the Lifespan** (Lecture 20)

In this course, evaluation of nutritional needs and formulation of nutritional programs for pregnancy, lactation, the pediatric, adolescent, and geriatric patients are emphasized. Nutritional needs of those with athletic challenges and who are in surgical recovery is also discussed. Examination of the uses of IV nutritional therapy are explored. Prerequisites: NUTR 680 and 730

**NUTR 810 Eating Disorders and Prescriptions in Addictive Behaviors** (Lecture/Seminar 20)

This course examines the special challenges of addictive, weight, and eating disorders. Students are asked to diagnose and examine the psychological aspects, nutritional needs of and the treatment and supportive treatment plans for these patients. Cases are provided for students to analyze and identify the sequential steps for patient management. Prerequisites: PSYC 740 and NUTR 752

**NUTR 830 Nutritional Therapeutics and Special Topics**

Elective (Lecture/Seminar 20)

In this course, students are exposed to the research and current trends related to the clinical application of nutrition. Emerging trends, research and issues related to nutritional therapeutics and science will also be discussed.

**Department of Physical Medicine**

**Department Chair: Nick Buratovich, N.D.**

The courses in the Department of Physical Medicine focus on orthopedic assessment and therapeutic modalities such as touch and palpation, a variety of soft-tissue and osseous manipulation techniques, hydrotherapy and patient case management.

**HYDR 615 Principles of Hydrotherapy HYDR 770 Advanced Hydrotherapy Techniques** (Per Course Lecture/Demonstration 20)

In this two-course sequence, students are exposed to the principles and practices of historical and modern therapeutic use of the application of water, including alternating temperature, colon hydrotherapy, constitutional hydrotherapy, cleansing, steam and sweat. Prerequisites: None for HYDR 615 ; PHMD 735 and HYDR 615 for 770

**PHMD 605 Touch as Treatment** (Lecture/Demonstration 20)

This course introduces students to the value and experience of touch as a treatment modality. Various physical modalities of touch will be examined. Students learn how to identify and palpate musculoskeletal and anatomical landmarks, and assess joint range of motion. Postural analysis is demonstrated and discussed. Application of soft-tissue and trigger-point techniques is emphasized. Also included is physical and nutritional health assessment of tissues, patient receptivity to treatment, and patient management of applied therapeutic protocols based on the sense of touch. Prerequisites: None

**PHMD 710 Introduction to Physical Medicine and Orthopedics** (Lecture/Demonstration 20)

This course examines the study of physical medicine as a diagnostic and therapeutic tool. Students have the opportunity to compare therapies such as soft-tissue techniques, muscle energy technique, and cranial therapy. Emphasized is regional and physical assessment, etiology, the theory of injury, inflammation and fibrosis of repair. Orthopedic biomechanics and goals of varying therapeutic treatments of acute and chronic joint dysfunctions are examined. Prerequisites: ANAT 627, PHMD 605

**PHMD 735 Physiotherapy Modalities** (Lecture/Demonstration 20)

This course offers students opportunities to integrate information on physics, physiology and indications and contraindications of the use of physiotherapy equipment. Evaluation of treatment protocols and applications of major physiotherapy modalities are emphasized. Prerequisites: PHMD 710



**PHMD 740/770 Naturopathic Manipulation Therapy (NMT) Assessment and Application I, II**

(Per Course Lecture/Demonstration 40)

This two-course sequence covers the evaluation of normal and abnormal findings of the spine and extremities through assessment of positional deviations, assessment of joint mobility through static and motion palpation, grading of orthopedic muscular strength and joint range of motion, differential diagnosis of common and special disorders and evaluation of disease and injury of the musculoskeletal patient. Emphasis is on regional orthopedic physical assessment and osseous manipulation. Manipulative treatment includes the sacro-iliac, lumbosacral, lumbar, thoracic, ribs, cervical and occipital spinal areas, extremities and specialty visceral manipulative techniques. Students write narrative reports of musculoskeletal conditions, formulate treatment protocols and demonstrate applications of NMT and patient management of the musculoskeletal patient. Prerequisites: PHMD 710 for 740; PHMD 740 for 770

**PHMD 820 Orthopedic and Sports Medicine** (Lecture/Demonstration 40)

In this course, students evaluate sports and orthopedic injuries. Emphasized are diet, exercise, soft-tissue therapies, physiotherapy, manipulative techniques and medicines used in the treatment of sports and orthopedic injuries. A sports medicine certificate in taping is awarded when this course is satisfactorily completed. Prerequisites: PHMD 770

**PHMD 890 Advanced Techniques in Naturopathic Manipulation (Elective)** (Lecture/Demonstration 20)

This course focuses on advanced case management, skill-building in NMT, narrative report writing, knowledge and skills related to personal injury, workers compensation and disability and impairment ratings. Prerequisites: PHMD 770

## Department of Research

**Department Chair: Robert Waters Ph.D.**

The courses in the Department of Research cover the fundamentals of the scientific method. Students practice the skills of evaluating and using information provided by medical research. A small-scale research project is required. Students also have the opportunity to further their skills in research through the activities of the Southwest College Research Institute.

**RSCH 810 Basic Concepts in Research** (Lecture 10)

This course introduces students to the basic vocabulary and concepts used in clinical research, including research design and statistics. A general overview of research methodology is given, with a focus on recognizing appropriate research design presented in the literature. Prerequisite: None

**RSCH 830 Conducting Clinical Research** (Lecture 10)

In this course, students gain experience planning and conducting a research project. Hands-on experience is gained as students work in groups to conceive, design and conduct a research project under the supervision of an advisor. Prerequisite: RSCH 810

**RSCH 860 Evaluation of Medical Research** (Lecture/Demonstration 10)

The medical literature collection is expanding at a rapid pace and an increasing amount of information is available to the practitioner. This course focuses on the critical evaluation of medical literature. The student learns to critique research and quickly determine its appropriateness and relevance. Prerequisite: RSCH 830

**RSCH 880 Research Project** (Project 10)

In this course, research projects from RSCH 830 are finalized, submitted in publishable form and presented. Students learn to function as a review committee as they present and defend their projects and critique those of their peers. Prerequisite: RSCH 860

## Human Research Policies

Overview of the Institutional Review Board (IRB) Process: Any and all research conducted at the college involving human subjects must first be approved by the IRB, a committee of the Faculty Senate of Southwest College. The IRB first conducts a scientific merit review of all proposals. A typed summary of the proposed research with sufficient background information must be provided so the IRB can determine the validity of the proposed study.

All principle investigators conducting human subjects research at Southwest College of Naturopathic Medicine are required to complete the instructions in responsible conduct of research as described in the multiple project assurance of compliance. The format of the instructions includes computer based modules, referenced literature materials and educational videotape series produced by the Office of Human Research Protections, Department of Health and Human Services.

If the study passes the scientific merit review, a human subject safety review is conducted. There is a mandatory application form that must be provided (along with required supporting documents as indicated in the application form) for the IRB to complete this stage of the review. This form can be obtained from the IRB chair, in the college library or on the S (student) and P (public) drive of the college computer network. All other IRB forms and information to guide researchers through the IRB review process are available by these same means. Researchers are urged to consult with the IRB chair prior to submission of any proposal as many questions can be addressed ahead of time, reducing the chance of the proposal's rejection.

Once a study is approved, it must be conducted exactly as approved and according to IRB policies. Researchers must submit any proposed changes to the protocol before instituting them. Most proposals are approved for periods of one year at the most. Extension applications can then be submitted. Once a study is either terminated or completed, researchers must submit the data, a summary of the data or (ideally) the published paper that results from the study. This is necessary because the US Food and Drug Administration has the right to review the IRB files at any time, and evidence of completion or termination of the study is one required element in case such a review were to occur.

**Submission Deadline:** All proposal materials are due on the first of each month, without exception. Proposals submitted without proper signatures will be returned without review.

**Principal Investigator:** Every research project must have a designated single principal investigator who takes responsibility for the research. Multiple principal investigators are not allowed. This person will also serve as the liaison to the IRB. At the meeting where a research proposal is discussed, the principal investigator must be available for consultation by phone or in person to respond to questions. If the investigator is not available, the proposal will be tabled until the next meeting. The principal investigator must maintain all records including the approved protocol, the study's original data and patient identifying information in a secure manner for seven years after completion of the study.

**Adverse Event Reporting:** If a research subject in a study approved by the IRB requires medical attention (or in the event of the death of a subject) in the course of the project, the IRB must be notified within 48 hours. The necessary form for such reporting is available from the IRB chair, in the college library, or on the P and S drives of the college computer network. Failure to report such adverse events can lead to termination of the research project by the IRB.

**Student Research:** Please consult the separate policies regarding research requirements. Students are welcome to submit research proposals to the IRB, though a non-student principal investigator is generally required.

## Department of Women's Integrative Medicine

**Department Chair: Debi Smolinski, N.D.**

This Department offers classes that prepare Naturopathic students to assist women with their healthcare needs. Classes focus on learning how to gather clinically relevant information, the importance of physical exams and laboratory findings, creating a differential diagnosis and choosing appropriate therapeutics both conventional and Naturopathic. Courses in the department provide information regarding the principles and practice of integrative women's medicine. Case analysis will prepare students with the critical thinking skills needed to positively impact the female patients seen during their clinical training.

### **CLSC 781 Obstetrics** (Lecture 30)

This course prepares the student to provide basic healthcare appropriate to the pregnant woman. Topics include diagnosis of pregnancy, initiating prenatal care, therapeutics for early pregnancy, management of spontaneous abortion, infertility, overview of normal and complicated labor/delivery, and the postpartum care of mothers and infants. The student is prepared to screen for risks and to offer patients referrals and informed choices related to hospital or out-of-hospital birthing options. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training

### **CLSC 782 Gynecology** (Lecture 30)

This class focuses on basic gynecological health issues that are encountered in the primary-care setting including menstrual disorders, pelvic pain, masses, Pap smears, STDs, breast health, contraception, infertility, menopause and osteoporosis. The student will learn to provide

routine well women care and preventive care for women by taking a gynecological history, performing a physical exam, assessing risks and lab results and evaluating information to make a diagnosis. Students will be informed of both conventional and Naturopathic treatments and acquire knowledge for appropriate referrals for further work ups or consultations. Prerequisites: Clinical Entry Assessment, PHAR 710; CLDX 650, 710, 730; LBDX 650, 710, 730; PHDX 650, 710, 730; RDDX 650, 710, 730. Eligibility to enter Clinical Training



**Office of Student Affairs** Several programs and activities are administered and facilitated through the Office of Student Affairs, such as Student Government, College Community Involvement Program and Student Employment. Students are invited to offer suggestions, voice needs and become actively involved in creating a healthy community environment.

**Student Community** The Southwest College student community is as diverse in interest as it is in culture, ethnicity and age. Those who make up the student body are passionate about natural medicine, focused on their academic responsibilities and committed to becoming successful practitioners and healthy individuals. They come from widely diverse backgrounds and professions. The average age is 33. Women account for 60 percent of the student population. Complete demographic information is available at the Registrar's Office.

**Student Government** Membership in the Southwest College Student Government Association (SGA) is open to all current students. The association represents the interests of the student body, acting as liaison between administration, faculty and students.

Elected representatives from each class meet regularly. These representatives bring the students' individual concerns to the proper channels for resolution. Several SGA committees have been established to focus on specific areas and concerns. These committees address issues related to the Medical Center, tuition, the library and curriculum, among others. There is student representation on the College Board of Trustees and other regulatory boards and associations such as the Arizona Naturopathic Medical Association (AzNMA) and the American Association of Naturopathic Physicians (AANP). Students are encouraged to bring their issues and concerns to their class representatives.

**Student Organizations** Numerous clubs offer opportunities for students to interact consistently with those of the same interests. Student clubs include the Mind-Body Club, the Homeopathic Society, the Nutrition Group, the Physical Medicine Club and the Botanical Medicine Club. Guest speakers are frequently invited to share their knowledge in specific areas, and the groups enjoy a continued education process outside of class, as well as socialization.

Student counseling is available through the Office of Student Affairs. Counseling provides students with a process that will help them maintain their mental, emotional and physical wellness. Services include personal counseling and group counseling. The emphasis is on increasing creativity, awareness and human potential. Group work can focus on specific issues such as

stress management, conflict resolution and other issues of interest.

**Community Involvement Program** As the College is a learning community, the Community Involvement Program has been established to provide students with an opportunity to become involved in community life through donated hours of work and to help support the goals of the College. A minimum of 45 hours is to be contributed to the College over the course of the student's program. These hours may be earned for such activities as volunteering time in the library, assisting departments with special projects and programs, committee work, student government work, assisting with the interviewing process for prospective students, mentoring students and providing assistance at the Medical Center. Hours are to be logged on the College Community Involvement Program Verification Form and signed by the individual supervising the work. More information about this Program is available in the Office of Student Affairs.

**Student Employment** Positions are posted on the student employment bulletin board. Because the primary goal of the College is to ensure that students are successful in their programs, those who receive a no pass in a course may not remain in student employment until receiving passing grades in all courses. They may remain in the position during an appeal or during remediation. For more information, contact the Office of Student Affairs.

**Student Services at the Medical Center** As a commitment to the health and well-being of our students, the Southwest Naturopathic Medical Center provides discounted medical care and counseling services to students. Discounts are also available in the Natural Medicinary and for certain services such as laboratory, IVs and injectables. Specific information is available by contacting the Patient Services Department.

**Student Rights & Responsibilities** As an academic institution responsible for training professionals, Southwest College is dedicated to the pursuit of excellence under conditions of maximum freedom for all its members. Students have freely associated themselves with the College in a relationship based on mutual trust, personal respect and individual integrity.

The Southwest College Standards Committee, and the ethics and honor system they uphold, offer the responsibility of freedom. It assumes a mature concern on the part of students for their own behavior as it affects self and the community. It demands the honesty and courage to acknowledge personal failure when it occurs. The rules and regulations of the College are simply those essential to the maintenance of a well-ordered academic community.

These standards involve honest preparation of work; respect for infrastructure rules and property; and responsible private and public conduct.

The following policies inform students of their rights and responsibilities and outline administrative procedures.

### **Animals on Campus**

With the exception of companion dogs for the sight-or hearing-impaired, animals are prohibited on campus.

### **Campus Safety and Security**

The College maintains a Safety Committee, headed by the Facilities Office. This committee is responsible for ensuring that the College meets OSHA standards for a safe workplace and an institution of higher learning. The committee discusses any safety issues which may arise during the course of events at the College.

Students are asked to report any unsafe conditions to the Facilities Office. If an unsafe condition is not resolved, the student is required to submit a written report to the President. Any student injury must be reported to the Student Affairs Officer and the Facilities Office. All reports are submitted to Southwest College student publications. Please see the *Student Handbook* for information.

The Federal Campus Security Act of 1990 requires that an annual report on campus crime be made to members of the College community by September 1. This report, along with the Campus Security Policies and Procedures , is available in the Facilities office. All buildings are locked nightly. Any security issues or concerns should be reported to the Facilities Office. Students should be aware of personal security practices, including being observant of their surroundings, locking automobiles, walking in pairs and guarding belongings.

### **Students with Special Needs or Disabilities**

Southwest College does not discriminate against individuals with disabilities. Under the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, individuals with physical or learning disabilities are guaranteed certain protections and rights of equal access to programs and services.

The College makes every effort to arrange services and accommodations to any student who, through a recent assessment or diagnosis, can document a disability. The documentation then serves to establish that without auxiliary aids and services, the student would not have equal access and thus be subjected to discrimination. It is the student's responsibility to identify him/herself as being with a disability by contacting the Student Affairs Officer. The Officer works with each student to help establish documentation of the disability and approve requests for services.

If a student believes that he/she is not being reasonably accommodated or that the College is not in compliance with the agreed-upon accommodation(s), the student should contact the Student Affairs Officer for further assistance. If the student is not satisfied with the resolution, he/she may file a grievance with Human Resources and Director of Affirmative Action, who serves as Compliance Officer under Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act of 1990. The grievance should be promptly filed and must summarize the facts on which it is based.

### **Contagious and Infectious Disease**

The Arizona State Law on Unprofessional Conduct states that the following constitutes unprofessional conduct for any license holder or applicant: "Engaging in a profession involving contact with the public while suffering from a contagious disease or infectious disease involving serious risk to public health.

Students at the Medical Center, or persons who are involved with any patient contact, are required to notify the Medical Chief of Staff regarding any contagious or infectious disease they may have. The College requires a student with a contagious or infectious disease to notify the Student Affairs Officer. This office notifies the appropriate faculty to be prepared to teach accordingly, with appropriate safeguards.

### **Courtesy Phones**

Courtesy phones are available in the student lounge area at the College and the medical reference room at the Medical Center. Students are asked to limit their calls to allow all students access to the phones. Students are not permitted to use college office or medical center phones without permission. Only emergency messages will be taken by the College personnel and will be communicated appropriately and promptly, whenever possible.

### **Food in Classrooms and Auditorium**

Adequate breaks are provided so that students may eat in the student lounge or designated areas on the campus and at the Medical Center. Neither food nor beverage is allowed in the classrooms, auditorium, or in any patient-contact area, with the exception of bottled water.

### **Housing**

While the college does not provide student housing, information on housing in the area may be obtained through school publications such as the *Vital Force* . The Admissions Office maintains a Housing Board for prospective and current students to advertise housing.

### **Identification Cards**

The Registrar's Office issues student identification upon matriculation. Students must carry / display identification cards at all times. Any College official may ask to see the card at any time. The first identification card is provided free of charge.

### Lobbying/Political and Legislative Activity

The tax-exempt status of the College affects the involvement of students in political affairs, on campus or at the Medical Center. Tax-exempt organizations are limited in their political and legislative activity, even if such activity would contribute directly and substantially to meeting the College's tax-exempt purposes. If the student body works to support or oppose legislation or a referendum, that is considered lobbying. No lobbying is allowed on College premises or at any College function. This prohibition includes use of all College equipment such as copy machines, computers, facsimile equipment and telephones. Also prohibited is the use of student time while in class for lobbying activities.

### Parking Policies

Southwest College provides ample parking for student vehicles. Students, however, must park their vehicles in accordance with the specific conditions and restrictions which may apply at the College's various facilities. Policies have been established by the College to promote compliance with parking regulations at Southwest College facilities and to provide a deterrent to those whose improper parking may be a hazard to other members of the College community. Current policies are posted. Repeated violations will result in disciplinary action. Overnight parking without authorization is prohibited.

### Personal Appearance

Students are expected to dress appropriately and to maintain a clean and neat appearance at all times. Shoes must be worn in campus buildings and in the Medical Center building at all times. See *Clinic Handbook*.

### Personal Property

Neither the College nor the Medical Center are responsible for any personal belongings of students. It is the student's responsibility to safeguard personal belongings and to remove them at the end of each class session. Any items found in the classrooms during cleaning will be removed. Check with Facilities or the Receptionist for lost items. The College reserves the right to inspect without cause: desks, file cabinets, lockers and personal property used on College premises.

### Student Complaints and Grievances

It is the philosophy of the College to create a positive learning community. Students are encouraged to communicate their concerns, complaints and grievances using the communication protocols designed to afford the best possible resolution.

¥Issues related to the curriculum or administrative functioning of the College should be communicated to the class representative for discussion with response through the Student Government and their resolution process with the College.

¥Issues related to the academic program should be communicated to the Chief Academic Officer.

¥Concerns about grades should be directed to the faculty member for the course. (See Grade Appeal Policy in the *Student Handbook*).

¥Grievances regarding an individual staff or faculty member should be directed to the Chief Academic Officer.

Mediation services are provided by the Student Affairs Officer to assist students with the process of conflict resolution with students, staff or faculty. This service offers students a safe environment to air grievances and learn problem-solving skills. In addition, suggestion boxes are available at the Medical Center and at the college for students to communicate their concerns.

If a satisfactory resolution is not found, students are encouraged to meet with the Student Affairs Officer. If the concern remains unresolved, the student may contact the President. If the concern remains unresolved after meeting with the President, the student may contact the Chair of the Board of Trustees. If all means of resolving the complaint have been exhausted, the student may contact the Arizona Board for Private Post-secondary Education at 602.542.5709.

### Student Photo

In order to promote the College and Medical Center through various media, including television, the College website, magazines, journals, newspapers and internally developed publications and advertisements, it may be necessary to photograph faculty, staff and students. Student photographs may be used for these promotions without permission from students.

### Substance Abuse Policy

Southwest College has a strict substance abuse policy, which is in compliance with U.S. Public Law 101-226. No student or employee is permitted on the College campus or Medical Center premises while under the influence of alcohol or illegal drugs. Use, possession or distribution by a student or employee of illegal drugs on or off College premises is a major offense and subject to dismissal or immediate suspension. The detailed procedure is available in the Office of Student Affairs.

### Criminal Conduct/Theft

Theft is considered a serious infraction of the Student Code of Professional Conduct and Academic Honor. All students are expected to observe national, state and local laws and ordinances. Conduct which the College believes violates laws and ordinances will be reported to the proper authorities. Conduct that violates the provisions of the College will be handled according to the prevailing Student Disciplinary Process and may result in suspension or dismissal. Detailed descriptions and /or policy changes can be reviewed in the Student Affairs Office. Unprofessional conduct of registered naturopathic medical students in clinic training is reportable to the State of Arizona Naturopathic Physicians Board of Medical Examiners, in compliance with Arizona statutes.

# Faculty

## Full-Time/ Part-Time Faculty

Axelrod, Leslie: Associate Professor; B.S., University of Massachusetts; N.D., Bastyr University, 1987; Dipl. Ac, Southwest College of Naturopathic Medicine, 1998.

Brammer, Debra: Chair, Botanical Medicine Department; Associate Professor; B.S. Idaho State University 1976; N.D., Bastyr University, 1992.

Buratovich, Nick: Chair, Physical Medicine Department; Associate Professor; B.S., St. Mary's College, 1973; N.D., National College of Naturopathic Medicine, 1983.

Campbell, Boyd: Professor; B.S., University of Illinois, 1955; M.S. University of Illinois, 1957; M.D. University of Illinois, 1963; Ph.D. University of Illinois, 1965

Deng, Yong: Chair, Department of Acupuncture and Oriental Medicine; Professor; Supervising Acupuncturist, Endowed Chair (Gero-Vita); O.M.D., L.Ac., Chengdu University of Traditional Chinese Medicine, 1983.

Deroin, Cheryl: Chair, Department of Nutrition; Assistant Professor; B.A., Boise State University, 1981; N.D., National College of Naturopathic Medicine, 1985,

Dye, John: Chair, Department of Mind/Body Medicine; Associate Professor; B.A., Whittier College, 1974; N.D., National College of Naturopathic Medicine, 1979.

Kail, Konrad: Director, Southwest College Research Institute; Associate Professor; B.S., University of Houston, 1974; B.S., Baylor College of Medicine, 1976; N.D., National College of Naturopathic Medicine, 1983.

Kim, Linda: Assistant Professor; B.S., University of California Los Angeles, 1993; N.D., Southwest College of Naturopathic Medicine & Health Sciences, 1997.

Kruzel, Thomas: Chief Medical Officer; Dean of Clinical Sciences; Professor; B.A. California State University, 1974; N.D., National College of Naturopathic Medicine 1986.

Laherty, Richard: Chair, Department of Basic Medical Sciences; Associate Professor; B.S., University of San Francisco, 1970; M.S., University of San Francisco, 1973; Ph.D., University of California Berkeley, 1978.

Lasku, Arben: Associate Professor; M.D., University of Tirana, Albania, M.D., 1985; M.S., 1988; Ph.D., 1994.

Messer, Stephen: Chair, Department of Homeopathy; Professor; B.S., The City College of New York, 1973; M.S., University of Pennsylvania, 1974; N.D., National College of Naturopathic Medicine, 1979.

Mittman, Paul: President; Associate Professor; B.A., State University of New York Buffalo, 1978; N.D., National College of Naturopathic Medicine, 1985.

O'Brien, Kareen: Director of Naturopathic Medicine; Assistant Professor; B.S, University of Witwatersrand 1981; N.D., Bastyr University 1993.

Schwaiger, Tim: Assistant Professor; B.A., Grand Canyon University, 1977; M.A., Webster University, 1987; N.D., Southwest College of Naturopathic Medicine, 1999.

Smolinski, Debi: Chair, Department of Women's Integrative Medicine; Assistant Professor; B.S., Arizona State University, 1992; N.D., Southwest College of Naturopathic Medicine, 1997.

Waters, Robert: Chair, Research Department; Associate Professor; B.A., Carroll College of Montana, 1971; Ph.D., Montana State University, 1975.

Wollner, Debra: Associate Professor; B.A., University of California, San Diego, 1982; Ph.D., University of Washington, 1987.

## Adjunct Faculty

Ancharski, Michael: B.A., Prescott College, 1972; B.S., Kansas Newman College, 1977; N.D., National College of Naturopathic Medicine, 1979.

Benjamin, Janice: B.S., Georgetown University, 1983; M.S., Bastyr, 1997; M.A. Institute of Transpersonal Psychology, 1992.

Burkholder, Peter: Professor Emeritus; B.S., Yale University, 1955; M.D., Cornell University Medical College, 1959.

Busnack, Peter: Phoenix College, 1968; Southwest University of Natural Therapeutics, 1978; .

Chung, Michael: B.S., University of California, Irvine; D.C., Western States Chiropractic College; N.D., National College of Naturopathic Medicine.

Cohn, Michael: Professor; B.A., Arizona State University, 1973; M.C., Arizona State University, 1975; Ed.D., Ball State University, 1979.

Conner, Dan: B.S., Western Illinois University, 1973; M.S., Western Illinois University, 1974; D.C., Cleveland College of Chiropractic, 1980.

Cooper, Kim: Associate Professor; University of Illinois, B.S., 1975; M.S., 1978; Ph.D., 1983.

Crinnion, Walter: B.S., University of San Francisco, 1975; B.The., Way College, 1978; N.D., Bastyr University, 1982.

David, Anna: B.S., Northern Arizona University, 1991; Certified Health Specialist.

Davis, Bruce: N.D., Southwest College of Naturopathic Medicine & Health Sciences, 1997.

Dickson, Bruce: B.A., Wake Forest University, 1973; N.D., National College of Naturopathic Medicine.

Dooley, Tim: Associate Professor; N.D., National College of Naturopathic Medicine, 1978; M.D., Oregon Health Sciences University School of Medicine, 1989.

Farner, Hope: M.S., Southern Illinois University of Carbondale, 1979; N.D., Southwest College of Naturopathic Medicine & Health Sciences, 1997.

Gaines, Thurston: B.A., New York University; M.D. Meharry Medical College.

Gruska, Janis: Assistant Professor; B.S. Eastern Michigan University, 1979; N.D., National College of Naturopathic Medicine, 1991.

Hagan, Joanna: B.A., University of Connecticut 1973; Graduate Studies, Governors State University 1982.

Harris, Myra: B.A., New York University, 1967; M.A., Arizona State University, 1974; J.D., Arizona State University, 1976.

Keaton, Dana: Associate Professor; B.S., Pacific Lutheran University, 1974; N.D., National College of Naturopathic Medicine, 1989.

Knapik, Aprilleigh: B.S., Gordon College, 1987; M.S. Hood College, 1989; Ph.D. Arizona State University, candidate.

Kraus, Diana: B.S., Widener College, 1977; N.D. Southwest College of Naturopathic Medicine, 1997.

Loeben, Gregory: B.A., Philosophy, B.A. Environmental Studies, University of Vermont, 1990; M.A. University of Arizona, 1994; Ph.D., University of Arizona 1997.

Lucchesi, Archana: B.S., University of Michigan, 1992; M.D., Rush Medical College, 1998.

Luo, Susan: M.D. (China), Beijing University of Traditional Chinese Medical Sciences, 1979. L.Ac., Dipl. Ac; C.H.

Marz, Russell: B.S., Buffalo State University, 1979; N.D., National College of Naturopathic Medicine, 1983.

Mike, Rosemarie: B.S., Francisco Moraizan Institute, 1988; V.N., Glendale Community College, 1987; L.P.N., 2001.

Miller, John: Western State Chiropractic College, B.S, 1996; D.C., 1982.

Mitchell, Bill: B.A., University of Washington, 1971; N.D., National College of Naturopathic Medicine, 1976.

Pangia, Veronique: B.A., Wellsley College, 1993; N.D., Bastyr University, 2000.

Piccirillo, Michael: Medical Technician, Professional Business Institute, 1964; B.S., Arizona State University, 1975.

Proefrock, Kenneth: B.S., Northern Arizona University, 1992; N.D., Southwest College of Naturopathic Medicine & Health Sciences, 1996.

Reed, Michael: Associate Professor; D.C., Columbia Institute of Chiropractic, 1971; D.C., F.A.C.C., F.I.C.C.

Sanchez, JoAnn: B.S., University of Rhode Island, 1980.

Schmidt, John: B.S., University of Massachusetts, 1981; Ph.D., University of Washington, 1987.

Sensenig, James: Associate Professor; B.S., National College of Naturopathic Medicine, 1976; N.D., National College of Naturopathic Medicine, 1979.

Spelman, Kevin: Medical Herbalist, New Mexico Herbal Institute, 1993; B.S. University of New Mexico, 1998; Graduate Studies, University of New Mexico, 1999.

Swan, Farra: Associate Professor; B.A., Tufts University, 1969; M.S., Tufts University, 1971; N.D., Bastyr University, 1982.

Van der Veer, Karen: B.S., James Madison University, 1989; N.D. Southwest College of Naturopathic Medicine, 1998.

Weiss, Decker: Assistant Professor; B.S., Western Illinois University, 1987; N.D., Southwest College of Naturopathic Medicine & Health Sciences, 1997.

## Off-Site Clinical Faculty

Anand, Suresh C: M.D., University of Licknow, India; MS Med University of Colorado Medical School. Specialty: Allergy.

Ber, Abram: M.D., McGill Medical University. Specialty: Family Practice.

Bethel, Klee: M.D., Creighton University, B.A., University of Colorado. Specialty: Anesthesia and Pain Management.

Christianson, Alan: N.M.D., Southwest College of Naturopathic Medicine. Specialty: Primary Care

Grade, Elizabeth: M.D., Medical College of Wisconsin Milwaukee. Specialty: Oncology

Granger, Cheryl: N.M.D., Southwest College of Naturopathic Medicine. Specialty: Geriatric, Natural Hormone Replacement.

Gutowski, Louise: N.M.D., National College of Naturopathic Medicine, ABNAMES. Specialty: Homeopathy, Diet, Women s Health.

Kamin, Katherine: N.D., Bastyr. Specialty: Mind-Body, Energy, Allergies

Kasdorf, Cheryl: N.M.D., Southwest College of Naturopathic Medicine. Specialty: Homeopathy, Bowen Therapy.

Kellman, Daniel: N.M.D., Southwest College of Naturopathic Medicine. Specialty: Homeopathy, Herbal Medicine.

Kemper, Lori: D.O., Kirksville College of Osteopathic Medicine; B.A., M.S. Arizona State University. Specialty: General Family Practice.

Kerievsky, Adam: N.D. Southwest College of Naturopathic Medicine; L.Ac. Specialty: Family Medicine, Pain Management, Acupuncture.

Lamb, Deryl: M.D. University of Arizona College of Medicine. Specialty: Obstetrics/Gynecology, Family Practice.

Lanson, Stuart: M.D., University of Southern California. Specialty: Environmental Health.

Lim, Ruth Tan: M.D., Columbia University, University of Singapore.

Madsen, Christine: N.D., Southwest College of Naturopathic Medicine. Specialty: Family Practice.  
McGarey, Peggy: N.D., Southwest College of Naturopathic Medicine. Specialty: Family Medicine.

O'Brien, Mary Ellen: N.D., Southwest College of Naturopathic Medicine. Specialty: Primary Family Care, Acupuncture, Nutrition, Life Style Counseling.

Ramsey, Theresa: N.D., Southwest College of Naturopathic Medicine. Specialty: Family Practice.

Rowe, Todd: M.D., Rush Medical School. Specialty: Classical Homeopathy.

Rubin, Daniel: N.D., Southwest College of Naturopathic Medicine. B.A., University of Iowa. Specialty: Oncology, Immunology.

Santo, Carlos: N.D., Southwest College of Naturopathic Medicine: Specialty: Acupuncture.

Schneider, William: D.O., Kirksville College of Osteopathic Medicine.

Shah, Rekha: M.D., Yale University. Specialty: Gastroenterology, Acupuncture.

Shoop, Jill: D.O., Kirksville College of Osteopathic Medicine. Specialty: Family Practice.

Siegal, Mark: D.O., College of Osteopathic of the Pacific. Specialty: Accident/Injury

Skaggs, Susan: N.M.D., Southwest College of Naturopathic Medicine. Specialty: Family and Women s Health Care.

Wall, Thomas: M.D., Temple University School of Medicine, Ph.D. Pennsylvania State University. Specialty: Sports Medicine, Orthopedic Surgery.



## Tuition and Fee Schedule

### 2001/2002

#### Admission Fees

New Student Application	\$65
International Student Application	\$90
Transfer Student Application	\$40
Re-application	\$50
Admission Deposit	\$300
Deferral Fee	\$100

#### Tuition (N.D.)

Didactic Contact Hours	\$18.52/hour
Clinic Shifts (40 hours)	\$194.92/shift
Clinic Entrance Lab Fee	\$50
Quarterly Clinic Lab Fee	\$20

#### Other Fees

Advanced Standing Evaluation	\$300
Audit of Lecture per Course	\$150
Audit of Lab in conjunction w/Lecture	\$50
BOTM 680 Fee	\$20
Challenge Exam/Comp Assessment	\$150
Diploma Replacement	\$50
Directed Study Fee per Course	\$150 + Tuition
Graduation Audit Fee	\$180
Late Registration Fee	\$60
Minor Surgery Fee	\$20
Non-Degree Application	\$25
Non-Enrolled Student Transcript	\$10
Other Lab Fees per Course (See Schedules)	
Quarterly Student Government Fee	\$10
Re-Activation Fee	\$30
Remediation Exam	\$50
Replacement ID Card	\$5
Returned Check Fee	\$15
Safe Needle Fee	\$10
Special Exam Fee	\$50
Transfer Fee (Pre-Matriculation)	\$50/crse. < \$300
Transfer Fee (Post-Matriculation)	\$75/crse. < \$300
Transcripts (Unofficial)	\$3
Transcripts (Official)	\$7

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