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2008-2009 COURSE CATALOG | TEMPE, ARIZONA

SOUTHWEST COLLEGE OF

SCNM

NATUROPATHIC MEDICINE



SOUTHWEST COLLEGE OF NATUROPATHIC MEDICINE AND HEALTH SCIENCES

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PRESIDENT'S WELCOME FROM SOUTHWEST COLLEGE OF NATUROPATHIC MEDICINE

Over the past 27 years, I met many extraordinary physicians and exemplary practitioners from diverse healing traditions. Regardless of their professional backgrounds, each share a common, and I believe defining, trait: they are researchers at heart who remain naturally inquisitive and persistent in pursuing solutions to their patients' health problems. Most important, they synthesize knowledge from multiple sources (research studies, presentations, observations), then combine it with clinical experience to create wisdom. Some of these exceptional individuals practice *Docere*, Latin for doctor as teacher. They are our faculty.

Together, faculty and students weave thousands of biomedical and therapeutic facts (the warp) with naturopathic principles and philosophy (the weft), constructing a beautiful fabric that has a beginning but no end. Our graduates continue to weave this healing tapestry long into their careers, adding new and refining existing therapies, looking at old ideas through new lenses fashioned from years of experience. Over time, the individual details converge into the pure essence of healing. The process persists, but it begins here.

F. Scott Fitzgerald wrote, "The test of a first-rate intelligence is the ability to hold two opposed ideas in the mind at the same time, and still retain the ability to function." This yin and yang; push and pull is especially true of institutions of higher education, where mission and vision generate a dynamic tension of tradition and innovation. When people ask me what's special about Southwest College of Naturopathic Medicine, I answer, people. It is the faculty, students and staff who choose innovation over the status quo, who merge greatness of aspiration with goodness of heart, and who can find beauty and simplicity in complexity.

Southwest College is looking for people with "first-rate intelligence" to join our community of learners, teachers, and healers, to discover in themselves the art of medicine and the science of healing.

Peace,



Paul Mittman, ND, DHANP
President/CEO, SCNM

PHILOSOPHY

Naturopathic medicine is a distinct medical system of health care which encompasses the art and science of diagnosing, treating, and preventing disease. Naturopathic physicians seek to restore and maintain optimal health. Naturopathic physicians choose career paths of solo or group clinical practices or within multi-disciplinary clinics and/or 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 facilitators, providing evaluations, assessment, and recommendations for patients who are committed to adapting healthier lifestyles.

The precepts that guide the practice of naturopathic medicine include the Seven Principles of Naturopathic Medicine; The Therapeutic Order, and The Components of Patient Centered Care.

NATUROPATHIC PRINCIPLES

These seven principles 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, nontoxic therapies.

Discover and Treat the Cause, Not Just the Effect - *tolle causam*

Physicians seek and treat the underlying cause of a disease. 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 health care needs.

The Physician is a 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 a strong therapeutic value.

Prevention is the best "cure" - *praevenire*

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

Wellness – *Salus*

Establish or re-establish health and well-being

THERAPEUTIC ORDER

Re-establish the basis for health

Remove obstacles to cure by establishing a healthy regimen

Stimulate the healing power of nature

Use various systems of health such as botanicals, homeopathy, Chinese medicine, Ayurvedic medicine, nutrition, psychospiritual

Tonify weakened systems

Use modalities to strengthen the immune system, decrease toxicity, normalize inflammatory function, optimize metabolic function, balance regulatory systems, enhance regeneration, and harmonize life force

Correct structural integrity

Use therapeutic exercise, spinal manipulation, and massage, cranial-sacral to return to optimal structural condition

Prescribe specific natural substances for pathology

Use vitamins, minerals, and herbs to return to and promote health

Prescribe pharmacotherapy for pathology

Use pharmaceutical drugs to return to and promote health

Prescribe surgery, pharmacotherapy

Use aggressive therapies to attempt to maintain health

Taken from "A Hierarchy of Healing: The Therapeutic Order" Pamela Snider, ND; Jared Zeff, ND, Lac; and Stephen Myers, ND, BMed, PhD.

COMPONENTS OF PATIENT CENTERED CARE

- Exploring the disease and the patient's illness experience:
- Understanding the whole person
- Finding common ground with the patient regarding management/treatment options
- Incorporating prevention and health promotion
- Enhancing the doctor-patient relationship
- Being realistic

Adapted from: Huang, WY. *Fam Med* 2002;34(9):644-5

4 VISION, MISSION, CORE VALUES *and* GOALS

VISION

We transform health and health care through naturopathic medical education and practice.

MISSION STATEMENT

We provide high-quality student oriented medical education to advance the art and science of naturopathic medicine, producing physicians who successfully practice excellent patient-centered health care.

CORE VALUES

The SPIRIT of Southwest College embraces the following values:

- Service
- Professionalism
- Integrity
- Respect
- Innovation
- Teamwork

GOALS

Core Goals

- Develop and implement outcomes based academic assessment program
- Promote excellence in student learning and professional success
- Provide excellence in educational quality and learning outcomes
- Develop and utilize quality clinical outcomes

Supportive Goals

- Promote effective resource development and utilization
- Establish a learning community
- Provide effective research to the College and the community

Aspirational Goals

- Develop and enhance community service learning opportunities

ACADEMIC CALENDAR

Fall Quarter 2008

July 30 - Aug. 1	New Student Orientation
July 31 - Aug. 1	New Student Registration
Aug. 4 - 8	Intensives Week/Break Rotation
Aug. 11 - 16	No Classes/Medical Center Closed
Aug. 18	10-Week Courses/Rotations Begin
Sept. 1	Labor Day Holiday - College/Medical Center Closed
Sept. 15 - 19	Midterms
Oct. 6 - 10	Winter Quarter Registration
Oct. 20 - 24	Final Examinations
Oct. 24	End of Fall Didactic Quarter
Oct. 25 - 31	Student Recess (Didactic) Medical Center Open/Rotations Continue

Winter Quarter 2008/2009

Nov. 3	10-Week Courses Begin
Nov. 27 - 28	Thanksgiving Holiday - College/Medical Center Closed
Dec. 1 - 5	Midterms
Dec. 7 - 12	Spring Quarter Registration
Dec. 22 - Jan. 2	Holiday Recess - Medical Center Closed 12/22 - 12/27
Dec. 29 - Jan. 2, 3	Medical Center Open 12/29, 12/30, 1/2, 1/3
Jan. 5	Classes Resume/Medical Center Open 1/2, 1/3
Jan. 16	End of Senior Quarter
Jan. 17	Graduation Ceremony
Jan. 19	Martin Luther Kind Day - College/Medical Center Closed
Jan. 20 - 26	Final Examination
Jan. 26	End of Winter Quarter - Didactic Classes
Jan. 27 - Feb. 7	Rotations Only - Study for NPLEX
Feb. 3 - 6	NPLEX Examinations
Feb. 2 - 14	Student Recess (Didactic) Medical Center Open/Rotations Continue

Spring Quarter 2009

Feb. 4 - 6	New Student Orientation
Feb. 5 - 6	New Student Registration
Feb. 9 - 14	Spring Quarter Begins
Feb. 9 - 14	Intensives Week/Medical Center Open
Feb. 16	10-Week Courses/Rotations Begin
March 16 - 20	Midterms
April 6 - 10	Summer Quarter Registration
April 20 - 24	Final Examinations
April 25	End of Spring Quarter
April 27 - May 2	Student Recess (Didactic) Medical Center Open/Rotations Continue

Summer Quarter 2009

May 4	10-Week Courses Begin
May 25	Memorial Day - College/Medical Center Closed
June 1 - 5	Midterms
June 22 - 26	Fall Quarter Registration
July 3 - 4	Independence Day - College/Medical Center Closed
July 6 - 10	Final Examinations
July 11	End of Summer Quarter
July 11	Graduation Ceremony
July 13 - Aug. 8	Student Recess - Medical Center Open 7/13 - 7/26

NPLEX Examination dates for 2009

Feb. 4 - 6	Clinical Science Examination
Feb. 5	Basic Science Examinations
Aug. 4	Basic Science Examinations
Aug. 5 - 7	Clinical Science Examinations

OVERSIGHT

Academic Accreditation

The Arizona State Board of Private Post-secondary Education granted a license to SCNM as a degree-granting institution in April 1993. SCNM is also accredited by the Council on Naturopathic Medical Education (CNME), the accrediting agency for naturopathic colleges and programs in the United States and Canada. A copy of the CNME Handbook for Accreditation for Naturopathic Medical Colleges and Programs is on reserve in the College Library. SCNM is also accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

For additional information please contact:

Daniel Seitz, J.D., Executive Director
Council on Naturopathic Medical Education
342 Main Street, PO Box 178
Great Barrington, MA 01230
(413) 528-8877 phone • (413) 528-8880 facsimile • www.cnme.org

Higher Learning Commission of the North Central Association of Colleges and Schools
30 N. LaSalle St., Suite 2400 • Chicago, IL 60602
(312) 263-0456 • www.ncahlc.org

Licensure

At the time of this printing, 15 states, the District of Columbia, and the US territories of Puerto Rico and the US Virgin Islands have licensing laws for naturopathic physicians. In these states naturopathic physicians are required to graduate from a four-year, approved naturopathic medical school and pass extensive postdoctoral board examinations in order to receive a license.

The North American Board of Naturopathic Medical Examiners (NABNE) administers and provides the Naturopathic Physician Licensing Examination (NPLEX) which is comprised of basic science and clinical science examinations that are used in North America to license graduates of approved naturopathic medical schools. Once licensed, naturopathic physicians must practice within a specific scope of practice defined by their state's law and fulfill state-mandated continuing medical education requirements annually. 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.

Those naturopathic physicians practicing in the State of Arizona enjoy one of the broadest scopes of practice within the United States. The State of Arizona Naturopathic Physicians Board of Medical Examiners (NPBOMEX) regulates the practice of naturopathic medicine in the State of Arizona. This includes applications and fees for students planning to enter clinical training and those new graduates applying for licensure.

For more information about licensure in Arizona, contact:

State of Arizona Naturopathic Physician Board of Medical Examiners
1400 W. Washington, Suite 230
Phoenix, AZ 85007
Tel: (602) 542-8242. Fax: (602) 542-3093
www.npbomex.az.gov

GENERAL COLLEGE INFORMATION *and* RESOURCES

For more information about licensure in the United States and its territories contact:

American Association of Naturopathic Physicians (AANP)
3201 New Mexico Avenue, NW, Suite 350
Washington, DC 20016
Toll free: 1-866-538-2267
www.naturopathic.org

Federation of Naturopathic Physicians Licensing Authorities
344 SW 7th St, Suite B
Newport, OR 97365-4915
Tel & Fax: (541) 265-6378
www.fnpla.org

For more information about licensure in Canada contact:

Canadian Association of Naturopathic Doctors
1255 Sheppard Ave. East
Toronto, ON, Canada M2K 1E2
Tel: (416) 496-8633
Toll-free: 1-800-551-4381
Fax: (416) 496-8634
www.cand.ca

For information about Licensing Examinations for the United States and Canada contact:

Naturopathic Physicians Licensing Examination Board (NPLEX)
P.O. Box 69657
Portland, OR 97201
Tel: (503) 250-9141

North American Board of Naturopathic Examiners (NABNE)
8948 SW Barbur Boulevard #157
Portland, OR 97219
Tel: (503) 778-7990
Fax: (503) 452-3943
www.nabne.org

LOCATION

SCNM is situated in the tri-city area of Scottsdale, Mesa, and Tempe, Arizona. The College is located in Tempe, Arizona – a sophisticated city of culture and learning. SCNM shares 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 (Medical Center) is located in Scottsdale, five miles north of the SCNM campus. 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 SCNM campus and the Medical Center to sit in on a class, visit a clinical rotation, and make an appointment to speak with an admissions representative by calling (480) 858-9100 or visit the website at www.scnm.edu.

PHOENIX

Phoenix is ranked as the nation's fifth largest metropolitan area with 4 million residents; the Valley of the Sun has all the diversity of big-city life without as much of the big-city cost. Among these assets are flat terrain, simple transportation routes, and a light-rail system that is currently under construction. Not only is the transportation system evolving, but the housing communities provide comfortable, affordable homes for new and longtime residents.

Located at 1,117 feet above sea level in the heart of the spectacular Sonoran Desert, the Valley of the Sun sits in an enormous earthen bowl punctuated by the stunning rocky terrain of Camelback Mountain, Piestewa Peak, the Superstition Mountains, South Mountain and the Estrella Mountains. A short drive leads to Sedona, Flagstaff, the Grand Canyon, Picacho Peak, the Mogollon Rim, or the beautiful White Mountains.

With 300 days of sunshine, the Phoenix metro area is a haven for outdoor enthusiasts. For hiking and biking head out to one of the countless trails in and around town; equestrians will enjoy the many horse properties, bridle paths and stables dotted across the landscape and weekenders enjoy the many lakes that surround the Valley. The winter months offer skiing and snowboarding Arizona's ski resorts: Snowball in Flagstaff or Sunrise Ski Resort just outside of Show Low.

Entertainment venues and fine dining and shopping setting are plentiful, along with more than 300 lush golf courses in the Phoenix area alone. Along with the cosmopolitan treasures of the Herberger Theatre, Ballet Arizona, The Phoenix Symphony, and the world-renowned Heard Museum, the cities that make up Greater Phoenix are home to numerous professional sports teams. There are also multiple opportunities for motor sports – Phoenix International Raceway, home to two major NASCAR races, and Firebird International Raceway.

COLLEGE COMMUNITY

The College campus sits in a quiet neighborhood surrounded by a beautiful landscape, including palm trees, native desert plants, and shaded picnic areas. The six-acre campus in Tempe and the Medical Center in Scottsdale convey the excitement and enthusiasm that the staff, faculty, and students bring to naturopathic medical education. The large John F. Long auditorium, named after a local philanthropist and donor to SCNM, provides space to hold all-school meetings or local or national professional conferences and can be divided into two classrooms to accommodate daily classes.

SCNM is on the cutting edge of technology in the classroom and the Medical Center. Rooms are equipped with multimedia LCD, video, and wireless internet access. Online course notes and information are also available to students as an additional resource through the MySCNM web portal (<http://my.scnm.edu>). Computers and software are available for student use in the College Library and at the Medical Center.

Founded principally by naturopathic physicians Michael and Kyle Cronin, SCNM is one of only five recognized schools of naturopathic medicine in the United States. It is also the first medical school in the Phoenix metropolitan area.

SCNM is poised to meet the demand for naturopathic physicians. SCNM has already become a respected source of information in the natural health care field. The administration continues to recruit and retain talented, high-quality faculty and staff members.

SOUTHWEST NATUROPATHIC MEDICAL CENTER

Southwest Naturopathic Medical Center (SNMC) is the focal point for the clinical education program. Renovated in 2006, the Medical Center is devoted to eliminating environmental factors that may negatively affect patients' health. It is furnished with all-natural carpet fibers, recycled building materials, full-spectrum lighting, and non-toxic paint. It is also a fragrance-free facility.

The Medical Center is designed for teaching students as well as treating patients. The Clinical Student Resource Center is an extension of the College Library, with computers with high-speed internet access to medical journals, FirstConsult, homeopathic, botanical and other medical software, and a clinical reference text collection. Special exam and consultation rooms are linked via closed-circuit video to allow student-patient interactions to be observed and critiqued. Medical students are also introduced medical office operations and

regulations to help prepare them for working within and managing their own practice.

Delivering high-quality health care requires the best tools available. The Medical Center is fully furnished with state-of-the-art diagnostic and therapeutic medical equipment. For example, wall mounted Welch Allyn diagnostic sets are in every exam room; EKG, spirometer, pulse oximeters, colposcope, and therapeutic Erchonia cold lasers, among other equipment, are available.

The Medical Center offers opportunities for students to experience a comprehensive group practice. The diverse group of medical practitioners includes naturopathic physicians, chiropractic physicians, medical doctors, an Oriental medical doctor, acupuncturists, a Ph.D., a psychologist, specialists in neurofeedback/biofeedback, and colon hydrotherapists. Aside from family practice, the physicians and practitioners at the Medical Center have areas of concentration which include environmental medicine, women's medicine, pediatrics, neurofeedback/biofeedback, homeopathy, acupuncture, and physical medicine.

As Arizona maintains one of the widest scopes of practice in the United States, the physicians and practitioners at the Medical Center have access to a wide variety of therapeutic options including diet and lifestyle modifications, nutritional supplementation, botanical medicine, homeopathy, counseling, neurofeedback, acupuncture, naturopathic manipulative therapies, physical medicine, hydrotherapy, colon hydrotherapy, minor surgery, prolotherapy, mesotherapy, IV micronutrient therapy, and pharmacotherapy.

The Medical Center boasts a recently expanded lab with a moderate complexity accreditation by COLA. Students are required to participate in a 1 credit lab post in which they gain finer understanding of laboratory diagnostic tests, and OSHA standards, and have the opportunity to prepare samples and run tests. While much laboratory testing is done on site, SNMC also works with Sonora Quest Laboratories for standard diagnostic tests as well as specialty labs for specialized diagnostic tests.

The Natural Medicinary located at the Medical Center is Arizona's largest natural medicinary with the largest inventory of homeopathic medicines in Arizona. Students are required to participate in a 1 credit Medicinary Post in which they mix and prepare IVs and herbal tinctures, learn inventory management, and provide customer service. The Natural Medicinary serves the patients of in-house and off-site physicians as well as the general public.

The Medical Center embodies dedication to developing and creating the best clinical settings for faculty and students to work together by combining core naturopathic principles and a commitment to patient centered care with modern technology.

In addition to clinical rotations at the Medical Center, SCNM physicians and students provide care to underserved patient populations at nine community clinics. These clinics are staffed by adjunct faculty members who oversee both the students' education and the patients' care. The community clinics provide students access to a broad range of patient populations and disease conditions not regularly seen at the Scottsdale Medical Center. The table below offers details on the extended site rotations. Additional information can be found at the Registrar's Office or at www.scnm.edu.

Extended Sites

Arizona Pathways

Substance Abuse Rehabilitation
Ellen Gardner, Program Director
2307 W. Devonshire
Phoenix, AZ 85015
(602) 264-3045
www.arizonapathways.com

Courtney Cronin, ND
C: (480) 250-3050

c.cronin@scnm.edu
Rotations offered: Tues., Thurs. 5:00 - 9:00 p
No. students accepted: 6 - 8
Patient volume: 8 - 12/shift

Southwest Center for HIV/AIDS

HIV/AIDS Treatment Center
Carol Poore, Executive Director
Jennifer Lewis, PhD, Medical Director
1144 E. McDowell Rd., Ste. 200
Phoenix, AZ 85006
(602) 307-5330
www.bodypositive.com

Jami Kupperman, ND
C: (480) 317-0824
j.kupperman@scnm.edu
Sue Williams, ND
C: (602) 321-2510
Jamie Ewald, ND
C: (480) 221-6601

Rotations offered: Tues. 9:00 a - 4:30 p
No. students accepted: 1 - 2
Patient volume: 20 - 60/shift

Guadalupe Family Health Center

Family Practice
Abraham Kuruvilla, MD, Medical Director
5825 E. Calle Guadalupe
Guadalupe, AZ 85283
(480) 344-6000
www.mihs.org/ourfacility/guadalupe.html

Leslie Axelrod, ND, LAc
C: (602) 377-1440
l.axelrod@scnm.edu

Rotations offered: Wed. 8:00 a - 12:00 p
No. students accepted: 1 - 3
Patient volume: 4 - 6/shift

Hamilton Elementary School Clinic

Pediatrics
Paul Mohr, PhD, Superintendent
Mishay Tribble, Principal
2020 W. Durango
Phoenix, AZ 85009
www.msdaaz.org/schools/hamilton/index.htm

Matthew Baral, ND
C: (602) 448-9499
m.baral@scnm.edu
Janice Highfield, ND
C: (480) 235-8969
j.highfield@scnm.edu
Jessica Mitchell, ND
C: (602) 790-1491
j.mitchell@scnm.edu

Rotations offered: Pediatrics - Mon, Wed, Fri. 8:00 a - 12:00 p
No. students accepted: 5 - 8
Patient volume: 10 - 15/shift

Rotations offered: Adult - Tues., Thurs. 12:30 - 4:30 p
No. students accepted: 5 - 6
Patient volume: 6 - 8/shift

7th Avenue Clinic

Family Practice
 Greg Lewis, MD, Medical Director
 1201 S. 7th Ave.
 Phoenix, AZ 85007
 (602) 344-6600
 greglewis@medprodoctors.com
 www.mih.org/ourfacility/7thavenue.html

Rotations offered: Wed. or Fri. 8:00 a - 5:00 p
 No. students accepted: 1 - 2
 Patient volume: 20 - 60/shift

Mission of Mercy

Family Practice (uninsured)
 Catherine Amiot, Executive Director
 Brad Smith, ND, Medical director
 (480) 833-8987
 www.amissionofmercy.org/arizona

Jami Kupperman, ND
 C: (480) 317-0824
 j.kupperman@scnm.edu
 Grace Stewart, MD
 C: (602) 481-2580
 gstew37844@aol.com

Rotations offered: Wed., Thurs. 8:00 a - 3:30 p
 No. students accepted: 3 - 4
 Patient volume: 20 - 60/shift

Mobile clinic locations:
 Westside Community Center
 715 W. 5th St.
 Tempe, AZ

Christ the King Catholic Church Community Center
 1616 E. Broadway Rd.
 Mesa, AZ

Shepard of the Valley Lutheran Church
 1500 W. Maryland Ave.
 Phoenix, AZ

Royal Assisted Living (RALC)

Dual Diagnosis
 Jeff Howard, LPN, Administrator
 108 E. 2nd Ave.
 Mesa, AZ 85210
 (480) 827-0835

Chad Goetz, ND
 C: (480) 375-1975
 cgoetz@peoplepc.com

Rotations offered: Mon., Tues., Wed., Thurs. 5:00 - 9:00 p
 No. students accepted: 6 - 8
 Patient volume: 15 - 25/shift

Sojourner Center

Women and Children (victims of domestic violence)
 Connie Phillips, Executive Director
 Sally Mason, Chief Operating Officer
 PO Box 20156
 Phoenix, AZ 85036
 www.sojournercenter.org/go

Barbara Ezrre, ND
 C: (602) 299-5708
 b.ezrre@scnm.edu

Rotations offered: Thurs. 12:30 - 9:00 p
 No. students accepted: 3 - 4
 Patient volume: 4 - 6/shift

WAHI Center

David Arneson, ND, Executive Director
 6220 S. 36th St.
 Phoenix, AZ 85042
 (602) 276-3999
 thesourcencmc@msn.com
 www.wahicenter.com

Rotations offered: Mon., Wed. 12:30 - 4:30 p
 No. students accepted: 4 - 6
 Patient volume: 8 - 12/shift

SCNM LIBRARY

The mission of the SCNM Library is to support the curriculum, enhance the SCNM learning environment and help to complete the larger institutional mission of naturopathic medical education, patient care, and service to the community. 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, the best of its kind in the Southwest. To facilitate cooperation and mutual communication, there is a Faculty Library Committee and a Student Library Committee.

The Library's cataloged holdings include more than 14,000 cataloged items, including 3,200 audio shelf items, many professional conferences, seminars, and workshops, and 525 video shelf items. The Library has approximately 200 journal titles, of which 100 are current subscriptions, including approximately 13,000 separate issues. All cataloging is done promptly and originally, on-site, and is customized to meet the unique needs of our clientele. For example, the Library has its own arrangement for its homeopathy collection, which is all housed in one place, and the large WB-section on the practice of medicine is highly customized.

The size of the Library normally increases by 100 cataloged items per month, not including many journal issues. Several years ago the Library received a major donation of environmental medicine books from the late Dr. Theron G. Randolph, the "Father of Clinical Ecology". Harvard University received his manuscript collection, and SCNM received his personal book collection. This part of SCNM Library's cataloged collection includes 900 diverse items, and it may be searched separately. The Library's entire catalog is Internet-accessible on the SCNM Library webpage (www.scnm.edu/library), and the main web site (www.scnm.edu) highlights current journal subscriptions. At the Library there are numerous computer workstations with updated, relevant software programs and high-speed Internet access. At the Medical Center, there are four similar workstations.

The Library has books, journals, and other material on topics such as methods of medical diagnosis, women's health, botanical medicine, traditional Oriental medicine, homeopathy, mind-body medicine, clinical nutrition, and physical medicine. The Library's reference shelf includes 2,000 volumes; the Library provides one copy of each required and recommended textbook for all current classes each term. The Library's holdings for board review books are extensive and well-used. Software programs to which the Library provides access include PubMed, AMED, Alt-Health Watch, the Natural Standard, MD-Consult, First Consult, RADAR, End Note, Clinical Pharmacology, Encyclopedia Homeopathica, Biopac Student Lab, Food Works, Natural Medicines Database, MD Consult/1st Consult, Herbal Medicine II, and Q Puncture.

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

Library resources are available to campus community members and 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 an annual community borrower's card for \$20.

The Library is open six days a week, 7:00 a.m. to 7:00 p.m. Monday - Friday, and 8:00 a.m. - 5:00 p.m. Saturday, with extended hours during final examinations. Please call (480) 858-9247 for hours, or check the appropriate "useful links" at the Library's web site: www.scnm.edu/library.

COMPUTER CENTER

The SCNM Library and Medical Center have multiple state-of-the-art computer workstations with standard business applications, high-speed Internet access, and approximately 1,500 customized Internet favorites to help meet the needs of the campus community for ongoing online information and scholarly research. The Library staff assists researchers using the computers and oversees SCNM's bibliographic.

SCNM offers a program leading to the Doctor of Naturopathic Medicine (ND) degree. SCNM 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 natural medicine.

ADMISSIONS REQUIREMENTS

The following general requirements for admission must be met by all applicants for entrance in the 2008/2009 catalog year:

1. Completion of a baccalaureate degree prior to matriculation. Total postsecondary coursework must meet a minimum GPA of 2.5 and be completed at an accredited or candidate college or university. Accreditation must be recognized by the United States Department of Education.
2. Completion of the following academic prerequisite coursework with a minimum GPA of 3.0 at an accredited or candidate college or university prior to matriculation into the ND program. No credit is given for prerequisite coursework earning a C- or lower. Applicants with biology and chemistry prerequisite courses taken more than 7 years ago must demonstrate competency to the Admissions Office. Cases will be evaluated on an individual basis. Additional coursework may be required.

ACADEMIC PREREQUISITE COURSEWORK

Area	Sem. Credit	Qtr. Credit	Notes
Biology	12	18	Courses with lab, for science majors
Chemistry	12	18	8 credits in general chemistry and 4 credits in organic chemistry courses with lab, for science majors)
Physics	3	4.5	One course in physics, algebra based
Psychology	6	9	Developmental psychology is recommended. Similar courses that cover behavior or psychology may also be considered
English	6	9	One course in English composition required
Humanities	6	9	Acceptable coursework includes philosophy, art, history, foreign language, religion, women's studies

3. Three letters of recommendation and accompanying forms from an undergraduate or graduate academic reference, from a work-experience (occupational) reference, and a health care provider or personal reference. Letters and forms must be current (within one year) and mailed directly from the reference to SCNM.
4. Submission of application and application review. Following receipt of all required materials and credentials (see application for admission), the Admissions Office will contact those qualified applicants selected to interview with the Admissions Committee.

The Admissions Committee will review applications, interview candidates for admission, and make admission decisions.

Applicants should also have knowledge of computers and access to a reliable computer and software for use in completing coursework. For more information, contact the Admissions Office. The above list indicates minimum requirements, but it should not be inferred that admission is probable for any applicant who meets them.

CLEP EXAMINATIONS ACCEPTED

Applicants for admission may substitute the College Level Examination Program (CLEP) exam(s) for select academic prerequisites listed below. Information regarding CLEP can be obtained from CLEP 609.771.7865 or www.clep.org. To report examination scores to SCNM, use score report code #7563. An official score from the College Board/CLEP must be mailed directly to SCNM.

CLEP Examination Credit equivalent	Minimum score
(ENG) Fresh. College Composition 6 sem. or 9 qtr. credits	44
(PSY) Human Growth and Development 3 sem. or 9 qtr. credits	45
(PSY) Intro. to Educational Psychology 3 sem. or 9 qtr. credits	47
(PSY) Intro. to Psychology 3 sem. or 9 qtr. credits	47

APPLICATION FOR ADMISSION

Applications for admission may be requested from the SCNM Admissions Office, (480) 858-9100, or on our web site, www.scnm.edu. The recommended priority deadline for submitting an application is February 1 for the fall admission, and November 1 for the spring admission. Applicants may apply up to one year in advance for admission. Prospective students who wish to enter the ND program must complete the application materials and meet all application requirements outlined here:

1. Application form
2. Non-refundable application (*See Tuition and Fee Schedule, p. 15*)
3. Three letters of recommendation with required forms mailed directly to the College:
4. One academic
5. One occupational
6. One health care/personal
7. Personal essay
8. Professional resume
9. Proof of admission academic prerequisite coursework through official transcripts from all post-secondary institutions attended
10. In-person interview (Applicants selected for interview will be contacted by the Admissions Office)

11. International applicants must also satisfy these additional application requirements:

- International transcript evaluation for all work completed in a foreign country
- Complete a financial guarantee form with proof of sufficient financial resources to cover anticipated costs of study
- Copy of current passport
- SCNM 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, p.13*).

TECHNICAL STANDARDS FOR ADMISSIONS

SCNM is committed to providing equal opportunity for all applicants. The mission of SCNM is to graduate skilled and effective naturopathic physicians. Applicants are selected for admission to SCNM based not only on their scholastic achievement and ability, but also on their intellectual, physical, and emotional capacities to meet the requirements of SCNM's curriculum, occupational experience, and the promise of a successful career in naturopathic medicine. The CNME, which accredits the naturopathic medical program, requires that the curriculum be in line with their accreditation standards, enabling each student to get the highest quality education. The basic sciences curriculum includes anatomy, biochemistry, histology, pathology, pharmacology, and physiology, and is designed to establish a core of knowledge necessary for clinical training. The clinical curriculum begins early in year three and continues throughout year four, including diverse experiences in primary care, family medicine, internal medicine, obstetrics and gynecology, pediatrics, psychology, minor surgery, diagnostic imaging, pathology, emergency medicine, geriatrics, and rehabilitation medicine in ambulatory, and in-patient settings. Each student is required by the faculty to pass each required course and clinical rotation to graduate.

The following technical standards specify those attributes the faculty considers necessary for completing medical school training, enabling each graduate to subsequently enter clinical practice or residency. These standards describe the essential functions students must demonstrate in order to fulfill the requirements of the medical education, and thus, are required for entrance, continuation, promotion, retention, and graduation from medical school.

SCNM will consider for admission any applicant who meets its academic criteria and who demonstrates the ability to perform or learn to perform the skills listed in this catalog, with or without reasonable accommodations consistent with the Americans with Disabilities Act. Any applicant with questions about these technical requirements is strongly encouraged to discuss the issue with the Dean of Students prior to the interview process.

Certain chronic or recurrent illnesses that interfere with patient care or safety are not compatible with medical practice or training. Other conditions that may lead to a high likelihood of debilitating student illness should be carefully considered. Deficiencies in knowledge base, judgment, integrity, character, professional attitude, or demeanor that may jeopardize patient care, may be grounds for course/rotation failure and possible dismissal. A student must possess aptitude, abilities, and skills in five areas:

Observation

Students must be able to observe demonstrations, conduct experiments, and tolerate normal odors associated with the basic sciences, including, but not limited to: anatomic dissection of preserved tissues and cadavers, microbiologic cultures, microscopic studies of microorganisms, and animal and human tissues in normal and pathologic states. A student must be able to observe patients accurately at a reasonable distance and close at hand, noting non-verbal as well as verbal signals. Specific observational requirements include but are not limited to the following abilities: detecting and identifying significant changes in colors

of fluids, skin, culture media, and dipstick tests; perceiving with acuity and accurately discriminating findings on x-rays and other imaging tests; efficiently reading written and illustrated material; observing intracellular details through a microscope; observing demonstrations in the classroom, including projected slides, films, videos, and overheads; observing and differentiating changes in body movement; observing anatomic structures; discriminating numbers and patterns associated with diagnostic instruments and tests, such as sphygmomanometers and electrocardiograms; and competently using instruments such as the otoscope, ophthalmoscope, microscope, and stethoscope.

Communication

Students must be able to actively listen and relate effectively and sensitively to patients of all genders, ages, races, lifestyles, sexual orientations, and cultural backgrounds, and be able to convey a sense of compassion and empathy. A student must be able to observe and clearly communicate with patients in order to elicit information accurately describe changes in mood, activity, and posture; and be able to perceive verbal as well as nonverbal communications. Communication includes speech as well as reading and writing. Medical education presents exceptional challenges in the volume and breadth of required reading and the necessity to impart information to others. Students must be able to communicate quickly and effectively in oral and written English with all members of the health care team. Specific requirements include but are not limited to the following abilities: communicating rapidly and clearly with the medical team on rounds, eliciting a thorough history from patients, and communicating complex findings in appropriate terms to patients and to various members of the health care team. Students must learn to recognize and promptly respond to emotions such as sadness, worry, and agitation, as well as lack of comprehension of physician communication. Each student must be able to read and accurately record observations and plans legibly, efficiently, and accurately in documents such as the patient record.

Students must be able to prepare and communicate concise and complete summaries of individual encounters. Students must be able to complete forms manually and on the computer keyboard, according to directions, in a complete and timely fashion.

Sensory and Motor Function Students must be able to perform a complete physical exam of patients with acuity, accuracy, facility, and human compassion on patients of all genders utilizing palpation, auscultation, percussion, and other diagnostic maneuvers. In general, this requires sufficient ability to observe with acuity and process visual, auditory, exteroceptive (smell, touch, pain, and temperature), and proprioceptive (position, pressure, movement, stereognosis, and vibratory) phenomena accurately, as well as the ability to manipulate patients, medical instruments, and equipment with precision at a fine level of movement. Methods of surgical instruction include practice on living or preserved animal tissues. A student should be able to provide general care and emergency treatment to patients in a timely manner. Examples of such emergency treatment reasonably required of physicians include responding quickly when called, initiating cardiopulmonary resuscitation, administering intravenous medication, applying pressure to stop bleeding, opening obstructed airways, suturing wounds, and performing basic gynecological maneuvers. Cardiopulmonary resuscitation may require moving an adult patient, repeatedly applying considerable chest pressure, delivering an adequate volume of artificial respiration, and calling for help. A student should be able to learn to perform basic laboratory tests, e.g., urinalysis, completed blood count, and diagnostic and therapeutic procedures, e.g., phlebotomy, arterial blood gas drawings, lumbar puncture, arthrocentesis. Students must be able to measure angles and diameters of various body structures using tape measure and goniometer, measure blood pressure and pulse, and interpret graphs describing biologic relationships.

Intellectual, Conceptual, Integrative and Quantitative Abilities

These abilities include measurement, calculation, reasoning, analysis, judgment, and synthesis. The student must also be able to recognize letters and numbers quickly and accurately. Clinical reasoning and problem solving, critical skills demanded of physicians, require all of these intellectual abilities and must be

performed quickly, especially in emergency situations. Moreover, the effective physician often must deal with several tasks or problems simultaneously (“multi-tasking”). Students must be able to identify significant findings from history, physical examination, and laboratory data; provide a reasoned explanation for likely diagnoses; construct a reasoned and cost-effective diagnostic plan; and prescribe medications and therapy, recalling and retaining information in an efficient and timely manner. Students must be able to identify and communicate the limits of their knowledge to others when appropriate. The ability to incorporate new information from peers, teachers, and medical literature in formulating diagnoses and plans is essential. Good judgment in patient assessment, diagnostic, and therapeutic planning is essential.

Behavioral, Ethical and Social Attributes

Empathy, integrity, honesty, concern for others, good interpersonal skills, interest, and motivation are all required personal qualities. Students must be able to fully utilize their intellectual abilities, exercise good judgment, and promptly complete all responsibilities attendant to the diagnosis and care of patients in all clinical and academic settings. They must be able to develop mature, sensitive, professional, and effective relationships with patients of all genders, ages, races, lifestyles, sexual orientations, and cultural backgrounds, as well as with their families, with other health care providers, and with all members of the learning and working community. At times this requires the ability to be aware of and appropriately react to one’s own immediate emotional responses. For example, students must maintain a professional demeanor and be able to function at a high level in the face of personal fatigue, dissatisfied patients and their families, and tired colleagues. Students must be able to develop professional relationships with patients and their families, providing comfort and reassurance when appropriate while protecting patient confidentiality. Students must be able to maintain professional conduct when interacting with patients and the families of patients suffering from catastrophic illness, trauma, and death. Students must possess adequate endurance to tolerate physically taxing workloads and to function effectively under stress. At times, all students are required to work for extended periods, occasionally with rotating shifts. Students must be able to adapt to changing environments, to display flexibility, and learn to function in the face of the uncertainties inherent in the clinical problems of many patients. Students are expected to accept appropriate suggestions and criticism and, if necessary, respond by modifying their behavior.

APPLICANT/STUDENT DISABILITIES

SCNM welcomes applications from students from all backgrounds and does not discriminate on the basis of disability, race, sex, ethnic background, place of origin, age, religion, spiritual belief, sexual orientation, or political affiliations. SCNM is committed to complying with all applicable provisions of the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. It is College policy to not discriminate against any qualified student or applicant with regard to any terms or conditions because of such individual’s disability or perceived disability, so long as the student can perform the essential (see Technical Standards p. 11) functions of the program. Consistent with this policy, the College will provide reasonable accommodations to a qualified individual with a disability, as defined by the ADA, who has made SCNM aware of his or her disability, provided that such accommodation does not constitute an undue hardship to SCNM.

Persons with disabilities who meet the technical standards, possess the required abilities, and meet all academic qualifications for admission are encouraged to apply for admission. A request for special accommodations should be submitted to the Dean of Students prior to matriculation. Students with disabilities who require personal assistance must make appropriate arrangements before the beginning of each quarter. Students with disabilities who believe they need a reasonable accommodation to perform the essential functions of a student should contact the Dean of Students. SCNM encourages individuals with disabilities to come forward and request reasonable accommodations.

ADMISSION

It is the responsibility of the Admissions Committee to select applicants internationally who are best qualified to complete the required training and most likely to become the best possible physicians. Applicants are selected for admission to SCNM based not only on their scholastic achievements and ability, but also on their experience and their intellectual, physical, and emotional capabilities to meet the requirements of the SCNM curriculum and have a successful career in naturopathic medicine. The Admissions Committee recognizes that academic competency is essential for success in medical school. Intellectual curiosity and undergraduate grades help to demonstrate academic competency. The Admissions Committee exercises its judgment on behalf of SCNM. The Committee considers academic ability as well as character, extracurricular achievement, commitment to service and overall suitability for the medical profession, based on information in the student’s application, letters of recommendation and personal interviews.

The Admissions Committee makes the final decision regarding an applicant’s admission. The decision may be one of the following:

- Admission – all admission requirements are met.
- Admission with provisions – must meet admission requirements prior to matriculation.
- Placement in the pool – admission decision to be further reviewed.
- Admission denied.

The Admission Committee will notify the applicant in writing of the decision. Applicants may also view their application status and decision on MySCNM. Accepted applicants must remit a non-refundable deposit (see Tuition and Fees Schedule, p. 15) and signed enrollment agreement 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 SCNM and cannot be returned. SCNM reserves the right to admit or reject applicants at its sole discretion, at any point during the admission process. SCNM does not discuss committee decisions regarding an applicant’s file. The decisions of the Admissions Committee are final and are not subject to appeal.

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 Admissions Office upon completion of the work in progress. Only under these conditions will the student be allowed to register and attend classes. Official documentation of completion of prerequisites must be received by the first day of registration for the second quarter, or the student may not be permitted to register. In the event that the applicant does not qualify, the College reserves the right to cancel admission and registration.

DEFERRAL OF ADMISSION

Applicants who have been offered either full or provisional admission may, in extreme circumstances, apply for a deferral of their entrance, not to exceed four quarters. Applications for deferrals are accepted on a space-available basis. An application for deferral will not be processed until the admission deposit is received. Students deferring admission must do so by the end of the first week of class in the quarter for which they were accepted. Students applying for a deferral of admission must meet any and all new admission requirements for that entrance year. Applicants who need additional time beyond one year must

reapply with a full application. A student who desires a deferral must make a request in writing to the Admissions Office. A nonrefundable deferral application fee (see Tuition and Fees p. 15) is required to transfer a deposit to a new entering class.

REAPPLICATION PROCESS

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

1. Completed re-application form
2. Non-refundable re-application fee
3. Academic letter of recommendation
4. Personal essay
5. Official transcripts for any additional coursework
6. Admission prerequisite requirements fulfilled
7. In-person interview (Applicants selected for interview will be contacted by the Admissions Office)

In the essay, the applicant must provide a description of work and professional experiences, academic courses taken, etc., that have been part of the life experience since the original application to SCNM, along with reasons why the applicant should be reconsidered for admission. Applications to SCNM 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 be interviewed again.

INTERNATIONAL APPLICANTS

International students must submit an application, pay the appropriate fees, and meet all admission requirements. International students may substitute additional CLEP examinations for prerequisite requirements. Transcripts from international institutions must be translated and evaluated by an international transcript evaluation service. Fees for this service are the responsibility of the applicant. The applicant must request a subject analysis transcript evaluation. The report must be mailed directly to the SCNM Admissions 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 into English by a professional service.

Test of English as a Foreign Language (TOEFL)

SCNM 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 paper-based test (PBT), 213 on the computer test, or 79 on the internet-based test (IBT) is required, with a score of at least 50 on the Test of Spoken English. Information on TOEFL and the TSE is available from the Admissions Office. Test results must be received prior to issuance of full admission.

Department of Justice International Student Issuance Requirements (I-20)

International applicants must submit a financial guarantee form and provide proof of sufficient financial resources to the Admissions Office to cover anticipated costs of study. The Dean of Students Office will issue a Department

of Homeland Security (INS) I-20 form to be used by the applicant to obtain a student visa only after full acceptance to SCNM and confirmed receipt of the admissions deposit. This request must be received no less than 60 days prior to planned matriculation.

Anticipated costs of study include travel, tuition, school fees, books, other study expenses, and all living expenses for the student (and dependents, if applicable) for the first year of study. All payments to SCNM must be made in US dollars. International students must maintain full-time student status. Prospective or current students with questions should contact the Dean of Students Office.

TRANSFER APPLICANTS

Applicants who wish to transfer from another accredited (or candidate) professional-level medical degree program must meet all admission requirements, including payment of fees. Letters of recommendation from the Academic Dean of the school or program and a basic science faculty member of the college from which the applicant is transferring indicating the student is leaving in good academic standing are required. Transfer students are also required to submit a completed Verification of Student Conduct form signed by the Dean of Students or the Registrar of the previously attended institution verifying that the student was not subject to any disciplinary actions. All forms and letters must be mailed directly to the Admissions Office.

Transfer students may matriculate at the beginning of any quarter. In all cases, the equivalent of a minimum of two calendar years of full-time enrollment is required to receive a degree from SCNM. The Registrar's Office, in conjunction with the department chairs and the Dean of Medical Education, makes determinations of acceptable transfer credits.

TRANSFER CREDIT POLICY

The possibility of transfer credit should be determined during the admissions process for transfer and advanced standing students, or before the start of the course in question. Only graduate-level coursework (masters or doctorate) is considered for transfer credit. Courses considered for transfer credit must have been completed at institutions with candidacy status or accredited by those bodies recognized by the profession or region as accrediting agencies. Only transfer coursework completed prior to matriculation at SCNM may be applied toward transfer credit with the exception of approved coursework taken while dual enrolled at Phoenix Institute of Herbal Medicine and Acupuncture (PIHMA) (see Students Attending PIHMA). The transfer credit is determined on an individual basis depending on academic standing, the type of program, degree and courses completed.

Coursework completed more than 10 years prior to matriculation may require a challenge examination, with appropriate fees. Direct transfer of courses is also contingent upon equivalent hours, equivalent content, and a grade of C (based on the institution requirements or standards) or higher from an accredited or candidate institution as defined above. SCNM reserves the right to require a competency and/or evaluation or challenge examination, which may result in additional fees. Clinical training credit cannot be transferred or challenged, with the exception of credits completed at another accredited naturopathic institution. These exceptions are reviewed on a case-by-case basis. Courses used to satisfy admissions prerequisite requirements may not be used for transfer. Exceptions are reviewed on a case-by-case basis. The student should submit a college catalog with course descriptions for all courses to be considered for transfer.

There is a fee per evaluation for advanced standing and to determine the transfer of 20 credits or more. To determine the transfer of 19 credits or less, there is a per-course fee (see *Tuition and Fee Schedule*, p. 15). This fee is waived for transfer applicants from other naturopathic institutions. 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 Enrollment Services Center or Registrar's Office.

PROFESSIONAL DEGREE ADVANCED STANDING

Students entering the Doctor of Naturopathic Medicine Program who have graduated from a domestic or foreign accredited professional school or program (i.e., MD, DO, DC, DDS, etc.) may apply for advanced standing status with the Registrar's Office. All applicants should submit a completed advanced standing evaluation form a minimum of three months prior to matriculation. There is a non-refundable transcript evaluation fee (good for one year), (*see Tuition and Fee Schedule, p. 15*), that should be submitted to the Admissions Office with the completed application for admission. (*See Transfer Credit Policy, p. 13*).

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 credits required in the catalog. They must complete the program, in the time determined upon the transfer evaluation, in accordance with the number of credits transferred (*see Completion Time Policy, p. 40*). Advanced standing students must meet quarterly with the Academic Advising Specialist during pre-registration and will not be allowed to have concurrent enrollment or register for courses for which they do not have the required prerequisites or co-requisites without prior approval. Determination of advanced standing status prior to acceptance does not guarantee admission. If an applicant did not accept admission to SCNM and reapplied to enroll at a later date, the student is subject to all fees upon second application.

STUDENTS ATTENDING PHOENIX INSTITUTE OF HERBAL MEDICINE AND ACUPUNCTURE (PIHMA)

Students enrolled in approved coursework at the Phoenix Institute of Herbal Medicine and Acupuncture (PIHMA) must sign an acknowledgement form in order to drop the equivalent courses from the SCNM track program. After coursework is completed at PIHMA, an official transcript must be received from PIHMA in order for those courses to be transferred. It is the student's responsibility to inform the Registrar's Office if the student withdraws from courses at PIHMA in order to make necessary changes in the student's schedule. Failure to successfully complete PIHMA courses as scheduled may delay clinical entry and/or graduation. Graduation from SCNM is contingent upon completing all equivalent courses at PIHMA with a grade of C or better.

INTERNATIONAL TRANSFER

Coursework taken at an international institution must meet standards approved by the National Council on the Evaluation of Foreign Education Credentials and 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, credits, and equivalences. Fees for this service are the responsibility of the applicant. Report results should be mailed directly to the Admissions Office and must be received before an evaluation of the applicant's file can begin (*see Transfer Credit Policy, p. 13*). It is recommended that foreign medical doctors take the United States Medical Licensing Examination (USMLE).

The following fees and tuition apply to the 2008/2009 academic year only and are subject to change.

Admission Fees (All admissions fees are non-refundable)

New student application	\$65
International student application	\$90
Transfer student application	\$65
Re-application	\$65
Admission deposit	\$300
Deferral fee	\$100
Non-degree application	\$65

Tuition (ND) 2008/2009

Quarterly full-time tuition (12+ credits)	\$5,817
Quarterly part-time tuition (6-11 credits)	\$4,617
Elective tuition, or less than 6 credits	\$238/credit

Course Fees

BOTM 680 fee	\$ 30
Clinical entrance lab fee	\$ 50
Clinical quarterly lab fee	\$ 20
Directed study fee (per course)	\$150 + tuition
Minor surgery fee	\$ 20
NPLEX Basic Science review course	\$100
PSYC 870	\$ 50

Other Fees

Advanced standing evaluation	\$300
Challenge examination/competency assessment (See Academic Policies)	\$150
Clinical drop/add fee	\$ 50
Diploma replacement	\$ 50
Graduation fee	\$250
Late registration fee	\$100
Medical equipment fee (first quarter only)	\$749
Quarterly student government fee	\$ 15
Replacement ID card	\$ 5
Returned check fee	\$ 25
Special examination fee	\$150
Transfer fee	\$ 75/course < \$300

Annual flat rate tuition is \$23,036. In addition to tuition, students are required to pay other fees related to their enrollment at SCNM. Quarterly books and supplies will cost approximately \$833.

Note to financial aid students: After financial aid has been approved and applied to your account, any credit balance will be refunded to you. Any amount unpaid after financial aid has been applied will be due and payable by the student.

SCNM reserves the right to change tuition and fees at any time. A new tuition and fees schedule will be published when there are changes. Students are expected to pay for all tuition and fees at the time of registration. No class may be attended without final registration for that class.

Students who have not paid their tuition in full by the first day of class may be dropped from class for the quarter. Students who have not paid all tuition and fees by the second week of the quarter will be suspended. Course credit will not be given until all tuition and fees are paid in full. In no case will a student be permitted to register for a quarter until all tuition and fees are paid in full for previous quarters.

Students may be required to purchase textbooks and other personal equipment, as needed for each course, as well as diagnostic equipment for use during clinical training.

PAYMENT OPTIONS

In most cases, students may pay for their tuition and fees by cash, credit card, or check. Students who receive federal financial aid will not be allowed to pre-pay tuition charges using a credit card. 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 (coverage, cost of living, other) can be issued to the student.

VETERANS BENEFITS/REFUND POLICY

SCNM 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. SCNM must report this progress each quarter.

After a course of any length has begun, a veteran who has dropped 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 prorated refund, veterans must make their status known to SCNM in advance of registration by providing a copy of the DD214 to the Financial Aid Office. Veterans should 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 Family Educational Loan Program (FFELP) is available to those who qualify, based on federal regulations.

A subsidized Stafford Loan is available to those who qualify and is need-based. Students are eligible to borrow a maximum of \$8,500 per academic year (three quarters). The government subsidizes (pays) all interest on the loan while the student is enrolled at least halftime and during grace periods or authorized deferment periods.

An unsubsidized Stafford Loan is also available to those who qualify and is not need-based. The maximum amount a student may borrow under the Unsubsidized Stafford Loan Program is \$30,000. The student is responsible for the interest that accrues 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 \$38,500 per academic year for their combined 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), the Master Promissory Note (MPN), and Federal Stafford Entrance Exam Counseling online. Approximately two to three weeks after submission of the FAFSA, the results of the compilation of information, including the estimated family contribution, is sent to the student and SCNM. Once the student's file is reviewed for eligibility, federal funding is determined. The student will receive an award letter reflecting the Stafford subsidized and unsubsidized loan amounts.

Federal Work Study

The awards are need-based and require students to apply for federal work study positions that are posted. For more information, see the financial aid web page on the SCNM web site.

Foreign Students

Although international students do not qualify for U.S. federal financial aid, there are other options to help fund your SCNM education. Alternative or private loans are available to foreign students; however, they must have a United States citizen or permanent resident as a co-signer.

In addition, Canadian students may be eligible to apply for Canadian student loans through their respective provincial governments. Canadian students receiving financial aid from their provincial governments will be held to the same payment deadlines for tuition. Tuition must be paid in full by the first day of class. If provincial financial aid is received by SCNM after the student has paid, a refund of excess tuition will be issued to the student within 10 business days. Canadian students are responsible for initiating the process of financial assistance from their province. Documentation will be sent to the Financial Aid office at SCNM to complete the required information and return it to the appropriate Provincial government.

The Doctor of Naturopathic Medicine Program at SCNM follows a prescribed curriculum. All academic credit is computed in quarter hours. Each credit signifies approximately 10 hours of classroom instruction, 20 hours of clinical rotation, or 20 hours of laboratory work. Quarters at SCNM are designated as fall, winter, spring, and summer. All students are guided by the curriculum as outlined in the annual SCNM catalog and approved by the Curriculum Committee, Faculty Senate, President's Council, and Executive Council. SCNM reserves the right to make curriculum changes that are applicable to all students, if necessary. If a student stays on track with the program, taking all courses as they are offered in sequence in the curriculum, students can expect to graduate within 16 consecutive quarters, or four calendar years. The program exceeds the minimum required credit/clock hours of instruction set by the Council on Naturopathic Medical Education (CNME).

The program of study is reflected in academic years. For the purposes of financial aid, an academic year is a sequence of a minimum of three quarters. A calendar year, different than the academic year, is four quarters. The ND program is designed to be completed in four calendar years.

FIRST CALENDAR YEAR

The first calendar year (quarters 1-4) begins with the basic medical science curriculum in the study of normal structures and functions of the body, including anatomy, physiology, and biochemistry. Introductory courses in naturopathic modalities, history, and philosophy are introduced.

Quarter 1 – Fall or Spring First Academic Year

NTMD 605	Philosophy & History of Naturopathic Medicine (2)
PSYC 604	Healthy Communication (2)
ANAT 603	Regional Anatomy I/Lab (5.5)/(1.5)
ANAT 606	Embryology (3)
ANAT 610	Microscopic Anatomy/Lab (3)/(1)
BIOC 605	Medical Biochemistry I (6)
HMEO 620	Introduction to Homeopathic Medicine (2)

Total: 26 Quarter Credits

Quarter 2 – Winter or Summer First Academic Year

NTMD 610	Physician Heal Thyself (2)
ANAT 604	Regional Anatomy II/Lab (6.5)/(2)
PHYS 605	Cell Function & Organ Systems I/Lab (5)/(1)
BIOC 606	Medical Biochemistry II (6)
NUTR 620	History of Nutrition and Diet/Detoxification (2)

Total: 24.5 Quarter Credits

Quarter 3 – Spring or Fall First Academic Year

BOTM 610	Introduction to Botanical Medicine (2)
ANAT 627	Neuroanatomy/Lab (6.5)/(1)
MGEN 607	Medical Genetics (2)
MICR 605	Microbiology and Immunology/Lab (3)/(1)
PHYS 610	Cell Function & Organ Systems II/Lab (4)/(1.5)
PHYS 612	Endocrinology (4)
PHMD 605	Touch as Treatment/Lab (1)/(1.5)
RSCH 610	Basic Concepts in Research I (2)

Total: 27.5 Quarter Credits

Quarter 4 – Summer or Winter Second Academic Year

ETHC 760	Medical Ethics (2)
PHMD 615	Principles of Hydrotherapy/Lab (1)/(1.5)
MICR 610	Microbiology and Immunology II (3)
PSYC 660	Fundamentals of Mind-Body Medicine (2)
OMND 600	Theory and Fundamentals of Oriental Medicine (3)
PUBH 620	Epidemiology/Public Health (3)
PHYS 615	Cell Function & Organ Systems III/Lab (4)/(1.5)
PHMD 710	Introduction to Physical Medicine and Orthopedics/Lab (1)/(1.5)
NUTR 650	Macronutrients and Specialized Diets (2)
RSCH 620	Basic Concepts in Research II (2)
JURI 720	Jurisprudence (2)

Total: 26.5 Quarter Credits

SECOND CALENDAR YEAR

The second calendar year (quarters 5-8) continues the basic medical science curriculum and focuses on the body's pathological transitions through disease, along with clinical recognition of these processes using physical, clinical, and lab diagnosis. Courses in research and the naturopathic modalities such as nutrition, mind-body medicine, homeopathy, and oriental medicine are expanded during the second year.

Quarter 5 – Fall or Spring Second Academic Year

PATH 625	Pathophysiology & Disease Process (4)
PHMD 735	Physiotherapy Modalities/Lab (1)/(1.5)
ENVM 700	Environmental Medicine/Toxicology (2)
OMND 610	Traditional Chinese Medicine Diagnosis (3)
BOTM 680	Pharmacy of Botanical Medicine (2)
BOTM 700	Pharmacognosy & Phytochemistry (3)
PHMD 740	Naturopathic Manipulative Treatment – Assessment & Application I /Lab (2)/(1)
ENVM 660	Depuration Techniques (1)/(1.5)
NUTR 670	Micronutrients, Enzymes and Accessory Nutrients (3)

Total: 23 Quarter Credits

Quarter 6 – Winter or Summer Second Academic Year

PATH 635	Organ Systems & Disease I (4)
PHDX 650	Physical Assessment I/Lab (2)/(1)
LBDX 650	Assessment of Laboratory Techniques I (2)
RDDX 650	Diagnostic Techniques & Assessment I (2)
CACR 650	Clinical Assessment and Case Review I (6)
CLLP 651	Clinical Lab Procedures/Lab I (1)/(1.5)
OMND 705	Meridians & Points I (2)/(1.5)
PHMD 770	NMT Assessment and Application II (2)/(1)
BOTM 743	Naturopathic Materia Medica, Pharmacognosy & Therapeutics I (2)

Total: 26 Quarter Credits

**Quarter 7 – Spring or Fall
Third Academic Year**

BOTM 744	Naturopathic Materia Medica, Pharmacognosy & Therapeutics II (2)
CACR 710	Clinical Assessment and Case Review II (6)
CLLP 711	Clinical Lab Procedures II/Lab (1)/(.5)
RDDX 710	Diagnostic Techniques & Assessment II (2)
PHDX 710	Physical Assessment II/Lab (2)/(1)
LBDX 710	Assessment of Laboratory Techniques II (2)
NUTR 740	Nutritional Disease Protocols (3)
OMND 710	Meridians & Points II/Lab (2)/(.5)
PATH 710	Organ Systems & Disease II (4)

Total: 26 Quarter Credits**Quarter 8 – Summer or Winter
Third Academic Year**

CACR 730	Clinical Assessment and Case Review III (6)
RDDX 730	Diagnostic Techniques & Assessment III (2)
PHDX 730	Physical Assessment III/Lab (2)/(1)
LBDX 730	Assessment of Lab Techniques III (2)
CTNG 740	Clinical Entry Assessment (2)
OMND 725	Traditional Chinese Medicine Pathology (4)
HMEO 730	Homeopathic Materia Medica, Repertory & Case Taking I (3)

Total: 22 Quarter Credits**THIRD AND FOURTH CALENDAR YEARS**

In the final two calendar years (quarters 9-16), clinical methods of naturopathic medicine are presented and expanded both in the classroom and the clinical setting. Students have the opportunity to work with various patient populations at the Medical Center and the College's nine community clinics. In the final academic year of the program, the student concentrates on clinical training and takes fewer didactic credits.

**Quarter 9 – Fall or Spring
Third Academic Year**

ERMD 740	Emergency Medicine I (2)
PHAR 700	Pharmacology and Pharmacotherapeutics I (4)
CLSC 764	Pediatrics (3)
CLSC 762	Eyes, Ears, Nose and Throat (2)
CLSC 772	Gynecology (3)
ENVM 760	Basics of Environmental Medicine (2)
GRND 764	Grand Rounds (2)
OMND 735	Acupuncture Techniques/Lab (1)/(.5)
HMEO 750	Homeopathic Materia Medica, Repertory & Case Taking II (2)
CLTR 760	Clinical Training (2 rotations)(4)
CLTR 755	Clinical Posts (2)

Total: 27.5 Quarter Credits**Quarter 10 – Winter or Summer
Fourth Academic Year**

OMND 815	Oriental Medicine – Case Analysis (2)
HMEO 770	Homeopathic Materia Medica, Repertory & Case Taking III (3)

PHAR 710	Pharmacology and Pharmacotherapeutics II (4)
CLSC 771	Obstetrics (3)
CLSC 812	Dermatology (2)
CLSC 863	Viral Disorders/HIV (2)
GRND 784	Grand Rounds (2)
ERMD 760	Emergency Medicine II (3)
CLTR 780	Clinical Training (2 rotations)(4)

Total: 25 Quarter Credits**Quarter 11 – Spring or Fall
Fourth Academic Year**

MNGT 800	Practice Management I (1)
NUTR 755	Creating Nutrition Based Protocols For Patients (2)
BOTM 817	Naturopathic Materia Medica, Pharmacognosy & Therapeutics III (2)
HMEO 810	Patient Management and Case Taking (2)
MSRG 810	Minor Surgery (2)/(.5)
PHAR 780	Pharmacology and Pharmacotherapeutics III (3)
CLSC 763	Neurology (2)
CLSC 780	Endocrinology (3)
GRND 814	Grand Rounds (2)
OMND 865	Oriental Medicine – Case Management (2)
CLTR 780	Clinical Training (2 rotations)(4)

Total: 25.5 Quarter Credits**Quarter 12 – Summer or Winter
Fourth Academic Year**

MNGT 801	Business Practice Management II (2)
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors (2)
PSYC 835	Practicum in Mind-Body Healing (2)
CLSC 783	Urology (including Men's Health)(2)
CLSC 862	Geriatrics (2)
CLSC 831	Cardiology (2)
CLSC 832	Pulmonology (2)
CLSC 834	Gastroenterology (3)
GRND 834	Grand Rounds (2)
CLTR 830	Clinical Training (2 rotations)(4)

Total: 23 Quarter Credits**Quarter 13 – Fall or Spring
Fifth Academic Year**

MNGT 802	Business Practice Management III (3)
MSRG 890	Advanced Techniques in Minor Surgery/Lab (1)/(.5)
CLSC 861	Rheumatology (2)
CLSC 881	Oncology (2)
HMEO 862	Advanced Case Management (2)
GRND 864	Grand Rounds (2)
PHMD 820	Sports Medicine (4)
CLTR 850	Clinical Training (3 rotations)(6)

Total: 22.5 Quarter Credits**Quarter 14 – Winter or Summer
Fifth Academic Year**

BOTM 831	Botanical Medicine Therapeutics – Developing Clinical Proficiency (2)
GRND 884	Grand Rounds (2)

PSYC 850	Principles and Practice of Medical Psychology (3)
CLTR 880	Clinical Training (6 rotations) (12)

Total: 19 Quarter Credits**Quarter 15 – Spring or Fall
Fifth Academic Year**

CLTR 882	Clinical Training (8 rotations) (16)
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Total: 16 Quarter Credits**Quarter 16 – Summer or Winter
Sixth Academic Year**

NTMD 880	Analysis & Integration of Naturopathic Philosophy & Practice (2)
CSRV 800	Clinical Science Board Review (3)
CLTR 882	Clinical Training (7.5 rotations) (15)

Total: 20 Quarter Credits

Option 1) CLTR 882 Clinical Training – (7.5 rotations) (15)

Option 2) CLTR 882 Clinical Training – (4-7.5 rotations) (8-15 credits)
Students may minimize the number of clinical rotations required in their final quarter by fulfilling their requirements to work two rotations during breaks and by taking additional rotations between quarters 13 and 15 as available.

Totals for 16 – Quarter degree Program**Program Totals:**

Classroom/Lab Instruction – 313 quarter credits
Clinical Training – 67 quarter credits

Total: 380 Quarter Credits

Upon completion of all graduation requirements, the student is awarded a Doctor of Naturopathic Medicine degree (ND). Students are trained as primary-care physicians with focus on natural therapeutics. However, graduates cannot provide any medical care in licensed states until they are properly licensed by that state.

ELECTIVES

SCNM offers electives in the naturopathic medical degree program. Elective courses are not part of the core curriculum and are not included in the flat rate tuition. Elective courses are excluded from the free courses available to alumni. Elective courses are advertised prior to registration, and enrollment of 10 students is required before the elective will be offered. Students will not receive a refund on an elective after the first day of class. Electives have included such subjects as botanical medicine, geriatrics, pediatrics, gynecology, mind-body medicine, environmental medicine, physical medicine, and acupuncture. (For a list of potential electives, please consult the Academic Departments section on p. 20).

DECELERATED ACADEMIC PROGRAM

Under certain circumstances, it may be necessary for matriculated students to extend their program. A student must obtain and complete a decelerated-track schedule request form through the Registrar's Office, which must be approved by the Academic Progress Committee in order for a student to be placed on a decelerated-track schedule. Once on a decelerated-track schedule, the student must meet quarterly with the Academic Advising Specialist to pre-register for the next quarter's class schedule. Students may not take classes in advance of their program without the approval of the Academic Progress Committee. 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 without prior approval from the Academic Progress Committee. Decelerated-track schedules may also be necessary for a student returning from a leave of absence or for a student retaking courses. A student on a decelerated-track schedule may experience delays in clinical entry and graduation. Decelerated program schedules may also affect financial aid status.

NON-DEGREE ENROLLMENT

A limited number of non-degree courses are offered and published each quarter. Interested individuals must complete a Application for Non-Degree Coursework form, available from the Registrar's Office, and pay the appropriate fee for the non-degree course (see *Tuition and Fee Schedule*, p. 15). A minimum of a bachelor's degree or equivalent is required to enroll and official transcripts must be submitted in addition to the application.

SCNM didactic courses not included in the published non-degree course list may be available to non-degree students with prior Faculty approval and space availability. Courses available for non-degree enrollment must be taken for a grade and require completion of all course requirements. Individuals will be considered for non-degree status on a space-available basis. When admitted with a non-degree status, an individual may enroll for a maximum of two courses per quarter. A maximum of 12 credit hours completed in non-degree status may be used for transfer or for fulfilling degree requirements at SCNM.

ADVANCED NON-DEGREE ENROLLMENT

Graduate students who are degree candidates at other universities or naturopathic colleges and who wish to take elective courses at SCNM may be admitted as advanced non-degree students. PhD candidates may also enroll in elective courses related to their research topic. Advanced non-degree students may enroll for no more than two courses a quarter. Full tuition as well as an application fee will be charged; these students are not eligible for financial aid.

Life-long educational opportunities are available to alumni of SCNM. Alumni are welcome to enroll in and attend four free courses as offered by SCNM a year (one per quarter). Free courses do not include continuing medical education units, electives, intensives, special seminars or conferences, or the board review courses. Courses may be taken as audit or for credit; to earn credits courses must be taken for a grade and require completion of all course requirements as indicated in the course syllabus.

ACADEMIC FREEDOM

SCNM supports academic freedom to encourage the acquisition and transmission of knowledge, the cultivation of creative and critical thinking, and expression of ideas and emotions. Faculty members are encouraged to present a variety of perspectives supported by their experiences, education, and research relative to the discipline they are teaching. Students are encouraged to analyze, question, and respond. Faculty members 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, unlawfully harassing, or directed at persons with clear intent to cause injury is not protected by academic freedom and is subject to disciplinary action.

CREDIT EQUIVALENCE

Courses are reported in quarter credit hours according to the following values:

Didactic	1 credit = 10 hours per quarter
Laboratory	1 credit = 20 hours per quarter 0.5 credit = 10 hours per quarter
Laboratory/Medicinary Post	1 credit = 20 hours per quarter
Clinical Rotations	2 credit = 40 – 44 hours per quarter (1 clinical rotation = 2 credits)

Courses and rotations are listed under the department within which they are overseen. Please note that course credits listed are required for graduation. Clinical rotation credits listed indicate the number of credits offered from which students may choose and/or are assigned in order to meet the requirements for graduation. Students are required to take a minimum of 65 clinical rotation credits in order to graduate. Please see Graduation Requirements on p. 41 for more information.

DEPARTMENT OF BASIC MEDICAL SCIENCES

Department Chair: Richard Laherty, PhD

Total Credit Hours in Basic Medical Sciences: 93 credits

The department of basic medical sciences provides in-depth study of the principles and concepts relative to the structure and functions of the human body. Courses include anatomy, embryology, biochemistry, microbiology, physiology, pathology, and pharmacology. Emphasis is placed on studying both the human systems used to maintain health and the transitional pathophysiologic processes that contribute to maintaining life. Naturopathic Medicine works with the factors effecting health to reinstate healthful balance. 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 laboratories.

Emphasis throughout the basic sciences is on understanding the material through case-based clinical scenarios and examination questions. This approach helps the student to understand the clinical applicability of basic information and how this information is used to solve clinical problems.

ANAT 603 Regional Anatomy I/Laboratory (Lecture 5.5 credits/Laboratory 1.5 credits)

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

ANAT 604 Regional Anatomy II/Laboratory (Lecture 6.5 credits/Laboratory 2 credits)

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

ANAT 606 Embryology (Lecture 3 credits)

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. The origins of developmental abnormalities will be stressed. Prerequisites: None

ANAT 610 Microscopic Anatomy/Laboratory (Lecture 3 credits/Laboratory 1 credit)

This course constitutes 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 6.5 credits/Laboratory 1 credit)

This discipline involves the study of the central nervous system and how it interacts with the peripheral nervous system and the body in general. Prerequisites: ANAT 604, PHYS 605

BIOC 605 Medical Biochemistry I (Lecture 6 credits)

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 and carbohydrate metabolism will be examined. Prerequisites: None

BIOC 606 Medical Biochemistry II (Lecture 6 credits)

This is the continuation of BIOC 605. It continues the study of the body's metabolic processes by concentrating on lipid metabolism, amino acid metabolism, and nucleic acid metabolism. Prerequisite: BIOC 605

MGEN 607 Medical Genetics (Lecture 2 credits)

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. Prerequisite: BIOC 606

MICR 605 Microbiology and Immunology I (Lecture 3 credits/Laboratory 1 credit)

In this course students identify and examine the bacteria that are associated with human disease. This includes evaluation of virulence factors, modes of

transmission, epidemiology, general pathology, and the basis of the human immune response to these factors. Prerequisite: BIOC 606

MICR 610 Microbiology and Immunology II (Lecture 3 credits)

In this course students identify and examine other microorganisms that are associated with human disease. This includes evaluation of virulence factors, modes of transmission, epidemiology, and general pathology of viruses, parasites, and fungi and the human immune defense against them. Prerequisites: MICR 605, MGEN 607

PATH 625 Pathophysiology and Disease Process (Lecture 4 credits)

This 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 pathophysiologic 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: PHYS 605, PHYS 610, PHYS 612, PHYS 615, ANAT 610 and MICR 605

PATH 635 Organ Systems and Disease I (Lecture 4 credits)

This second course of three in Pathology introduces general principles and pathophysiology of disease and introduces diseases of 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. Prerequisite: PATH 625

PATH 710 Organ Systems and Disease II (Lecture 4 credits)

This third of three 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 organs, and specific patterns of disease involving renal, genito-urinary, endocrine, skeletal muscular, and nervous systems. Clinicopathologic and microscopic examples of disease are utilized extensively. Prerequisite: PATH 635, ANAT 627

PHAR 700 Pharmacology and Pharmacotherapeutics I (Lecture 4 credits)

This course focuses on the principles and mechanisms of drug action and the purpose of pharmaceutical interventions. Emphasis is placed on drugs that act on neurotransmitter systems, including adrenergics, cholinergics, anticholinergics, psychotropics, anti-Parkinson's, dopaminergics, benzodiazepines, and drugs of abuse. It includes overviews of pharmaceutical environment, legal and statutory issues, and basic terminology. Prerequisites: PHYS 615 and BIOC 606

PHAR 710 Pharmacology and Pharmacotherapeutics II (Lecture 4 credits)

This course continues the discussion of drug classifications, their mechanisms, and their purposes and includes drugs that deal with the cardiovascular and hormonal systems, as well as antibiotics and antivirals. Included are drugs used to treat cancer. Side effects, toxicity, potentiating effects, and detoxification are included in this course with emphasis placed on toxicology. Prescription writing is included. Prerequisite: PHAR 700

PHAR 780 Pharmacology and Pharmacotherapeutics III (Lecture 3 credits)

This course continues the discussion of mechanisms of pharmaceutical intervention and their uses, focusing on proper and improper treatment with pharmaceuticals. Emphasis is on conservative approaches to pharmaceutical therapies. Prerequisite: PHAR 710.

PHYS 605 Cell Function and Organ Systems I/Laboratory (Lecture 5 credits/Laboratory 1 credit)

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

PHYS 610 Cell Function and Organ Systems II/Laboratory (Lecture 4 credits/Laboratory 0.5 credits)

In this second course of the physiology sequence the functions and regulation of the cardiovascular and respiratory systems will be examined. Prerequisite: PHYS 605

PHYS 612 Endocrinology (Lecture 4 credits)

This course examines the functions and the physiologic relationships found in the endocrine system and how the endocrine system responds to initial pathophysiologic changes. Prerequisite: PHYS 606

PHYS 615 Cell Function and Organ Systems III/Laboratory (Lecture 4 credits/Laboratory 0.5 credits)

This course examines the function and regulation of the digestive and urinary systems. Prerequisite: PHYS 610

DEPARTMENT OF RESEARCH

Department Chair: Robert Waters, PhD
Department Vice-Chair: Jeff Langland, PhD

Total Credit Hours in Research: 5 credits
(Required: 4 credits, Elective: 1 credit)

The courses of the research curriculum address the fundamentals of advanced scientific method in medicine and the practices and policies of the generic research community. Students learn scientific literature review and evaluation of reliability of published data. Students with a strong interest in the conduct of research may, with the supervision of a faculty member, enroll in RSCH 800 and, taking advantage of available resources, conduct a research project which may lead to publication.

The research program at SCNM is guided by two internal institutional groups: The Research Advisory Board (RAB) is responsible for the review of research protocols, taking into account scientific merit, ethical considerations, program relevance, and public responsibility; and the Institutional Review Board (IRB) assures compliance with medical ethics and human subjects research protection. The IRB will not accept protocols without prior RAB review and approval.

Members of the Research Department are actively involved in research and maintain relationships with other area institutions such as the Bio-Design Institute at ASU, T-Gen, and the University of Arizona. For a list of completed and current research projects, please visit the SCNM website at www.scnm.edu.

RSCH 610 Basic Concepts in Research I (Lecture 2 credits) – Graded S/U

This course discusses the scientific method, scientific technology, and the analysis of scientific data in general as it relates to naturopathic medicine. Prerequisite: None

ACADEMIC DEPARTMENTS *and* COURSE DESCRIPTIONS

RSCH 620 Basic Concepts in Research II (Lecture 2 credits) - Graded S/U

This course discusses the types and aids in the evaluation of journals and other scientific publications in which the medical literature can be found. Students will be exposed to methods for evaluating the varying significance of research findings. Prerequisite: RSCH 610

RSCH 800 Research Project (Elective) (Lecture 1 credit) - Graded S/U

This is an actual research project. Students who elect RSCH 800 must design a research project, obtain a faculty advisor, and receive research advisory board/institutional review board approval to conduct the research. Successful completion of such a project as judged by the research faculty and/or publication in a peer-reviewed journal may be recognized at graduation. Prerequisite: RSCH 620

DEPARTMENT OF PHILOSOPHY AND PROFESSIONAL PREPARATION

Department Chair: TBA

Total Credit Hours in Naturopathic Philosophy: 6 credits

Total Credit Hours in Professional Preparation: 13 credits

The courses in the Philosophy sequence focus on the integration of naturopathic philosophy and principles with clinical practice through personal development of the student. The Professional Preparation courses are designed to create a foundation of medical ethics and business practice and management that will serve the student after graduation as (s)he enters practice.

NTMD 605 Philosophy & History of Naturopathic Medicine (Lecture 2 credits) - Graded S/U

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 socio-economic, 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 health care system. Prerequisite: Admission to the ND program.

NTMD 610 Physician Heal Thyself (Lecture 2 credits) - Graded S/U

In this class the student prepares to be a healing practitioner. Students are asked to assess their own personal health and qualities as a naturopathic physician. The class is presented with discussion topics to stimulate self awareness, improve listening and communication skills, and examines the process of health and healing. There is an emphasis on the role of the physician-patient therapeutic relationship. Naturopathic philosophy and principles are integrated into course presentations. Prerequisite NTMD 605

NTMD 880 Analysis and Integration of Naturopathic Philosophy and Practice (Lecture 2 credits) - Graded S/U

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 that outlines actions students may take to advance the profession as they begin their own practices. Prerequisites: NTMD 610, fourth-year academic status

PUBH 620 Epidemiology/Public Health (Lecture 3 credits)

This course examines the cause, spread, and control of communicable disease. Students see a view of epidemiological methods and the historical content of 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 preventive medicine. Students learn general epidemiological statistics and their meaning in examining health policy, public health, clinical interventions and health outcomes. Prerequisites: None

JURI 720 Jurisprudence (Lecture 2 credits)

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

ETHC 760 Medical Ethics (Lecture 2 credits)

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. Case analysis teaches students 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. Prerequisites: None

MNGT 800 Practice Management I (Lecture 1 credit)

This is the first of a three-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. Prerequisites: CTNG 740

MNGT 801 Business Practice Management II (Lecture 2 credits)

The second in the series of three courses focusing on building and maintaining a practice culminates with the preparation of a marketing plan for a new practice. Introductions to financial concepts, administrative operations, management reporting, and their links to marketing will be given. Prerequisites: CTNG 740, MNGT 800

MNGT 802 Business Practice Management III (Lecture 3 credits)

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; and 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: CTNG 740, MNGT 801

DEPARTMENT OF CLINICAL DIAGNOSTICS**Department Chair: Pamela Martin, MD****Total Credit Hours in Clinical Diagnostics: 47 credits**

To prepare for the role of primary-care physician, the student of naturopathic medicine must become skilled in correlating and presenting histories, 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 clinical diagnostics provide students with the knowledge and skills to perform physical examinations and to identify appropriate lab tests, diagnostic procedures, and appropriate differential diagnostic assessments. These courses are practice based and provide opportunities for case analysis.

**CACR 650 Clinical assessment and Case Review I
(Lecture 6 credits)**

The first of a three-course sequence 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. An organ systems approach is used covering skin, eyes, ears, nose, throat, and blood. Prerequisites: PATH 625, PHYS 612, MICRO 605, MICRO 610

**CACR 710 Clinical Assessment and Case Review II
(Lecture 6 credits)**

This is the second of a three-course sequence on the diagnosis of disease. The systems covered in this course include lung, cardiovascular, gastrointestinal, and endocrine. Prerequisite: PATH 625, PHYS 612, MICRO 605, MICRO 610

**CACR 730 Clinical Assessment and Case Review III
(Lecture 6 credits)**

This is the third in a three-course sequence on the diagnosis of disease. The systems covered include gynecological, urinary and renal, male reproductive, neurological, musculoskeletal, and connective tissue disorders. Prerequisite: PATH 625, PHYS 612, MICRO 605, MICRO 610

**CTNG 740 Clinical Training Entry Assessment
(Lecture 2 credits)**

(Course related fees applies - See Tuition and Fee Schedule p. 15)

This course orients students regarding clinical policies and procedures and critically assesses student competence in basic knowledge and skills required for entry into clinical rotations. A competency examination is required. Prerequisites: CACR 710, PHDX 710

**CLLP 651 Clinical Laboratory Procedures I
(Lecture 1 credit/Laboratory 0.5 credit)– Lab Graded S/U**

A two-course series provides the practicum/laboratory experience that complements the Laboratory and Clinical Assessment lecture series. The first course introduces the student to practical laboratory medicine and its application as a diagnostic and case management tool. Case studies and information regarding the use of point-of-care testing and reference laboratory medicine will be presented in lecture. Practical laboratory exercises and demonstrations will be explored in laboratory sessions. Prerequisite: None

**CLLP 711 Clinical Laboratory Procedures II
(Lecture 1 credit/Laboratory 0.5 credit) – Lab Graded S/U**

Intravenous therapy and intramuscular injection therapy. See CLLP 651 for course description. Prerequisite: CLLP 651

**LBDX 650 Assessment of Laboratory Techniques I
(Lecture 2 credits)**

First of a three-course sequence that focuses on the integration of the collection of laboratory results with the assessment of a patient's signs and symptoms to establish the diagnosis and aid 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: PATH 625, PHYS 612, BIOC 606

**LBDX 710 Assessment of Laboratory Techniques II
(Lecture 2 credits)**

Second of a three-course sequence. Covers the use of blood chemistry tests, gastrointestinal function tests, cardiac function tests, kidney function tests, urinalysis and endocrine function tests in diagnosis, and patient case management. Prerequisite: LBDX 650

**LBDX 730 Assessment of Laboratory Techniques III
(Lecture 2 credits)**

Third of a three-course sequence. Basic electrocardiography is covered in this course. In addition, special lab tests such as food allergy panels, adrenal stress panels, stool analysis, etc. are reviewed. Prerequisite: LBDX 710

**PHDX 650 Physical Assessment I
(Lecture 2 credits/Laboratory 1 credit)**

First of a three-course sequence in which students are taught interview skills and how to perform routine physical examinations. Includes both normal variations and abnormal findings. Students learn to write physical assessments and chart according to SOAP format. Students learn to take vital signs, including blood pressure, pulse rate, respiratory rate, and temperature. An organ systems approach is utilized, with skin, eye, ear, nose, and throat systems covered in this course. Prerequisites: ANAT 627, PHYS 612

**PHDX 710 Physical Assessment II
(Lecture 2 credits/Laboratory 1 credit)**

Second of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Organ systems covered in this course include lung, cardiovascular, respiratory, gastrointestinal, and urological. Prerequisite: PHDX 650

**PHDX 730 Physical Assessment III
(Lecture 2 credits/Laboratory 1 credit)**

Third of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Organ systems covered in this course include neurologic, musculoskeletal, genito-urinary, prostate and rectal, and gynecologic examinations. Prerequisite: PHDX 710

**RDDX 650 Diagnostic Technique and Assessment I
(Lecture 2 credits)****RDDX 710 Diagnostic Technique and Assessment II
(Lecture 2 credits)****RDDX 730 Diagnostic Technique and Assessment III
(Lecture 2 credits)**

This three-course sequence covers fundamental radiographic theory and visual interpretation of common disorders in each body system. Students learn to discern normal and abnormal findings. Techniques of conducting effective and safe assessments are included. Prerequisites: PATH 625, PHYS 615

ERMD 740 Emergency Medicine I (Lecture 2 credits)**ERMD 760 Emergency Medicine II (Lecture 3 credits)**

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: CTNG 740 for ERMD 740 and ERMD 740 for ERMD 760

DEPARTMENT OF GENERAL MEDICINE

Department Chair: TBA

Total Credit Hours in General Medicine: 41 credits
(Clinical Credits offered: 36 credits/Quarter)

Courses in the Department of General Medicine emphasize the practical application of natural medicine.. Clinical entry courses help the student focus on the knowledge, attributes and skills needed to become a successful practitioner. This department offers a broad scope of courses devoted to integrating the use of modalities and therapeutic protocols into practice that is consistent with naturopathic medical philosophy. Students learn the skills of case analysis and case management

Grand Rounds (GRND)

In medical grand rounds, case histories are used to illustrate the clinical presentation of diseases, to provide a context in which participants can review basic information, and to focus discussion on several possible ways to frame and address the problem. Various medical students and physicians present their perspectives on the etiology, diagnosis, prognosis and treatment plan for a patient's presenting problem(s). Naturopathic therapeutics is the main focus of the presentations. Prerequisites: None

GRND 764 Grand Rounds (Lecture 2 credits)**GRND 784 Grand Rounds (Lecture 2 credits)****GRND 814 Grand Rounds (Lecture 2 credits)****GRND 834 Grand Rounds (Lecture 2 credits)****GRND 864 Grand Rounds (Lecture 2 credits)****GRND 884 Grand Rounds (Lecture 2 credits)****Clinical Sciences (CLSC)**

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 both naturopathic therapeutic modalities and allopathic treatment considerations in patient management. Referral and collaboration with other health care providers is discussed.

CLSC 762 Eyes, Ears, Nose & Throat (EENT)
(Lecture 2 credits)

This course covers the diagnosis and treatment considerations of common EENT conditions. EENT emergencies and problems needing referral are emphasized. Prerequisites: None

CLSC 763 Neurology
(Lecture 2 credits)

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: None

CLSC 780 Endocrinology
(Lecture 3 credits)

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: None

CLSC 783 Urology
(Lecture 2 credits)

Conditions of the urinary tract, kidney, and male reproductive system are discussed. Recognition of conditions requiring referral for specialized care is addressed. Prerequisites: None

CLSC 862 Geriatrics
(Lecture 2 credits)

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: None

CLSC 863 Viral Disorders/HIV
(Lecture 2 credits)

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 is covered in depth. Prerequisites: None

CLSC 812 Dermatology
(Lecture 2 credits)

The assessment of common skin disorders and the identification of serious skin lesions are covered. Emphasis is placed on conventional and naturopathic treatment. Prerequisites: None

CLSC 831 Cardiology
(Lecture 2 credits)

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: None

CLSC 832 Pulmonology
(Lecture 2 credits)

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: None

CLSC 834 Gastroenterology
(Lecture 3 credits)

This course examines disorders of the digestive tract and related organs. Laboratory assessment, diagnostic imaging, and integrative therapeutics are discussed. Prerequisites: None

CLSC 861 Rheumatology
(Lecture 2 credits)

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: None

CLSC 881 Oncology
(Lecture 2 credits)

This course examines the epidemiological, etiologic, diagnostic, prognostic, and preventive assessment of commonly occurring cancers. Medical alternatives 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: None

**CSRV 800 Clinical Science Board Review
(Lecture 3 credits) - Graded S/U**

This course is a clinical science review for the NPLEX examination. Prerequisites: None

**CLTR 600 On Site General Medicine Rotations
(36 credits offered/Quarter)**

Alexander, Axelrod, Highfield, Kupperman, McHenry, Mittman, Nevels, Porter, Schwaiger, Sorensen, Taylor

DEPARTMENT OF WOMEN'S MEDICINE

**Total Credit Hours in Women's Medicine: 6 credits
(Clinical Credits offered: 6 credits/Quarter)
(Elective Clinical Credit: 2 credits/Quarter)**

This series of classes explore the unique health needs and risks of women and prepare students to assist women in their health care needs throughout the life cycle.

**CLSC 771 Obstetrics
(Lecture 3 credits)**

This course prepares the student to provide basic health care appropriate for 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: CTNG 740

**CLSC 772 Gynecology
(Lecture 3 credits)**

This class focuses on basic gynecological health issues that are encountered in the primary-care setting, including menstrual disorders, pelvic pain, masses, Pap smears, sexually transmitted diseases, breast health, contraception, infertility, menopause, and osteoporosis. The student will learn to provide routine well-woman 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 workups or consultations. Prerequisites: CTNG 740

**CLTR 600 On Site Gynecology Rotations
(6 credits offered/Quarter)**

Aidun, Marchese

**CLTR 700 Elective Site Obstetrics Rotation
(2 credits offered/Quarter)**

Swan

DEPARTMENT OF PEDIATRICS

**Department Chair: Matthew Baral, ND
Fellow: Jessica Mitchell, ND**

Total Credit Hours in Pediatrics: 3 credits; Clinical Credits offered: 6 credits/Quarter

Class information combined with clinical practice opportunities in a variety of settings offers a real-world view of the practice of pediatrics.

**CLSC 764 Pediatrics
(Lecture 3 credits)**

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: CTNG 740

**CLTR 600 On Site Pediatrics Rotations
(6 credits offered/Quarter)**

Baral, Mitchell

DEPARTMENT OF ACUPUNCTURE AND ORIENTAL MEDICINE

Department Chair: Yong Deng, MD (China), LAc.

**Total Credit Hours in Acupuncture/Oriental Medicine: 23.5 credits
(Required: 20.5 credits, Elective: 3 credits)
(Clinical Credits offered: 4 credits/Quarter)**

The focus of this curriculum in the Doctor of Naturopathic Medicine program is to train students to practice safely and competently while providing basic competency in traditional Chinese medicine (TCM) for the diagnosis and treatment of common disorders using acupuncture.

**OMND 600 Theory and Fundamentals of Oriental Medicine
(Lecture 3 credits)**

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 610 Traditional Chinese Medicine Diagnosis
(Lecture 3 credits)**

In this course, the basics of TCM history and diagnosis are studied. TCM case-history taking, including the classic 10 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 600

**OMND 705 Meridians and Points I
(Lecture 2 credits/Laboratory 0.5 credit)**

**OMND 710 Meridians and Points II
(Lecture 2 credits/Laboratory 0.5 credit)**

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 with the supervision of an experienced acupuncturist. Prerequisites: OMND 610, ANAT 627 for OMND 705; OMND 705 for OMND 710

**OMND 725 Traditional Chinese Medicine Pathology
(Lecture 4 credits)**

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 710

**OMND 735 Acupuncture Techniques
(Lecture 1 credit/Laboratory 0.5 credit)**

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 710 and OMND 725

**OMND 815 Oriental Medicine Case Analysis and Management I
(Lecture 2 credits)**

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 acupuncture, Chinese prepared medicines, and diet therapy. Prerequisites: OMND 710, and OMND 735

**OMND 865 Oriental Medicine Case Analysis and Management II
(Lecture 2 credits)**

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 3 credits) - Graded S/U**

This course explores Chinese prepared medicines for common syndromes and disorders because the acupuncture practitioner in North America commonly uses pill or tincture forms for 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 610 and OMND 725

**CLTR 600 On Site Oriental Medicine Rotations
(4 credits offered/Quarter)**

Deng

DEPARTMENT OF BOTANICAL MEDICINE

Department Chair: Patricia Gaines, ND, RH (AHG)

**Total Credit Hours in Botanical Medicine: 18 credits
(Required: 15 credits, Elective: 3 credits)
(Clinical Credits offered: 4 credits/Quarter)**

The department of botanical medicine directs the study of utilizing plants as medicine. Classes are offered in several venues: the field, laboratory, and 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 that promote health and prevent disease.

**BOTM 610 Introduction to Botanical Medicine
(Lecture 2 credits)**

This is a foundational course introducing students to the use of plants as medicine. Students will receive an overview of botany, learn the history of herbal medicine, review the botanical and medicinal classification of plants, discuss ecological harvesting, and examine basic concepts in formulating and dosing. Specific adaptive techniques will be discussed in relationship to landmark Southwestern medicinal plants. This course sets the framework for students to build their knowledge throughout the remaining materia medica study. Prerequisites: None

**BOTM 680 Pharmacy of Botanical Medicine
(Lecture 2 credits)**

(A course fee applies – See Tuition and Fee Schedule, p. 15)

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. Prerequisite: None

**BOTM 700 Pharmacognosy & Phytochemistry
(Lecture 3 credits)**

This course is an overview of the study of natural plant substances. This topic will be explored through the major classes of plant constituents in order to understand the activity of plants and offer a framework for the clinical application of botanical medicine. It will cover basic plant chemistry and examine solubility and extraction, variability and synergy, as well as review biosynthetic pathways, absorption, metabolism, standardization, and concentration. The major focus of the class is on the major categories and subcategories of phytochemicals relevant to botanical medicine and the physiological effects these constituents have on the human body. Prerequisites: BIOC 605, BIOC 606, BOTM 610

**BOTM 743 Naturopathic Materia Medica Pharmacognosy/
Therapeutics I (Lecture 2 credits)**

**BOTM 744 Naturopathic Materia Medica Pharmacognosy/
Therapeutics II (Lecture 2 credits)**

**BOTM 817 Naturopathic Materia Medica Pharmacognosy/
Therapeutics III (Lecture 2 credits)**

These consecutive courses provide students with the necessary knowledge and skills to understand herbal medicine in the Naturopathic materia medica. Students are taught botanicals from an organ system perspective. These include gastrointestinal, dermatological, respiratory, immune, cardiovascular, reproductive, urinary, endocrine, musculoskeletal and nervous systems. Material presented on each botanical includes taxonomy, description, habitat, part(s) used, pharmacognosy, historical and current medicinal actions and uses, dosing, toxicology and potential drug interactions, all of which are used to critically analyze the application of these botanicals for therapeutic formulations. If not taking courses consecutively, consult department chair. Prerequisites: BOTM 610, BOTM 680, BOTM 700 and PATH 625, BOTM 743 and BOTM 744 for BOTM 817

**BOTM 831 Botanical Medicine Therapeutics - Developing
Clinical Proficiency
(Lecture 2 credits)**

This course prepares students to develop 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.

BOTM 900 Botanical Medicine in the Appalachian Mountains - (Elective)**(Lecture 3 credits) - Graded S/U**

This is a hands-on course located in the North Carolina Mountains and conducted at the Gaia Herb Farm outside Brevard, North Carolina. It is designed to advance the knowledge of botanicals in all aspects of medicine. Students will learn about medicinal plants of the Appalachian Mountains and how to use them clinically. They will also learn about issues related to producing botanical products, including quality control, quality assurance, raw material processing/production, harvesting, and validation of strength, purity, and efficacy of botanical medicines. This should increase the student's ability to apply their knowledge in the clinical setting; enable them to make informed decisions about product quality; and provide them with knowledge to become better physicians, researchers, and teachers in the future. For those who are pursuing a future in research or product research, it is designed to enhance his/her knowledge and experience working with a state-of-the-art botanical company. Prerequisite: Completed one year of naturopathic medical school or prior knowledge in botanical medicine with instructor's approval.

CLTR 600 On-site Botanical Medicine Rotations: 4 credits offered/Quarter**DEPARTMENT OF ENVIRONMENTAL MEDICINE**

Department Chair: Walter Crinnion, ND

Fellow: Jessica Tran, ND

Total Credit Hours in Environmental Medicine: 5.5 credits (Clinical Credits offered: 10 credits/Quarter)

Solvents, pesticides, heavy metals, plastic, and other pollutants are in every person in record amounts. These compounds lead to a variety of adverse health effects, some more obvious than others. The Department of Environmental Medicine seeks to bring clarity to the issue of chronic health problems secondary to everyday exposures to low-level toxins by offering classroom instruction, providing patient care, and conducting research in this dynamic and broad field. The naturopathic principle of *Tolle Causam*--treat the cause--is fully explored by this department.

ENVM 660 Depuration Techniques**(Lecture 1 credit/Laboratory 0.5 credit)**

This course focuses on the physical procedures useful in eliminating environmental pollutants from the human body (depuration). Modalities covered include retrograde colonic irrigation, constitutional hydrotherapy, and thermal chamber therapy (sauna). Prerequisites: PHMD 615

ENVM 700 Introduction to Environmental Medicine/Toxicology (Lecture 2 credits)

This course covers basic information on toxins in our environment. Basic concepts of toxicology will be covered, along with the major groups of environmental toxins. The class will then cover the common modes of non-occupational exposures (air, food, water) to these compounds. Finally, methods of human metabolism and excretion of the toxins will be covered as well as obstacles to the same. Prerequisite: PUBH 620

ENVM 760 Basics of Environmental Medicine**(Lecture 2 credits)**

This course gives an overview of the field of environmental medicine. The typical symptom pictures of environmental toxin overload will be covered, highlighting toxin damage to the immune, neurologic, and endocrine systems. Specific toxin overload-related illnesses will be covered as well (multiple chemical sensitiv-

ity, Gulf War syndrome, etc.). Overall case assessment and treatment will be emphasized and case histories will be covered. Prerequisites: ENVM 700

CLTR 600 On Site Environmental Medicine Rotations**(10 credits offered/Quarter)**

Crinnion, Tran

DEPARTMENT OF HOMEOPATHIC MEDICINE**Dolisos Department Chair: Stephen Messer, ND, DHANP****Total Credit Hours in Homeopathic Medicine: 16 credits****(Required: 14 credits, Elective: 2 credits)****(Clinical Credits offered: 8 credits/Quarter)**

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 2 credits)**

Students learn the history, philosophy, and principles of homeopathy, including the organon of medicine and case studies. Course materials cover remedy provings and preparation, first-aid remedies, and the basics of homeopathic case analysis. The case studies emphasize acute conditions. Students are introduced to homeopathic treatment of chronic disease. Prerequisites: None

HMEO 730 Homeopathic Materia Medica Repertory & Case-taking I (Lecture 3 credits)**HMEO 750 Homeopathic Materia Medica Repertory & Case-taking II (Lecture 2 credits)****HMEO 770 Homeopathic Materia Medica Repertory & Case-taking III (Lecture 3 credits)**

A three-course sequence in which students learn case-taking, case analysis, and use of the repertory. Attention is paid to case-taking and case analysis which, when correctly performed, lead to accurately perceiving what must be cured in individual patients. During 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 730; HMEO 730 for 750; HMEO 750 for 770

HMEO 810 Patient Management and Case-Taking**(Lecture 2 credits)**

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 770, Eligibility to enter Clinical Training

HMEO 862 Advanced Case Management**(Lecture 2 credits) - Graded S/U**

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 770

**HMEO 890 Advanced Materia Medica (Elective)
(Lecture 2 credits) - Graded S/U**

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

**CLTR 600 On Site Homeopathic Rotations
(8 credits offered/Quarter)**

Messer, S.; Udell

DEPARTMENT OF MIND-BODY MEDICINE

Department Chair: John Dye, ND

Total Credit Hours in Mind-Body Medicine: 21 credits

(Required: 11 credits, Elective: 6 credits)

(Clinical Credits offered: 8 credits/Quarter)

The philosophy of naturopathic medicine emphasizes the patient's ability to learn how to listen to their body for signs of health or imbalance. The naturopathic physician also closely listens for clues to the patient's health found in symptoms from the body, the mind, and the spirit. The patient is a partner in the process of exploring mind-body connections and learns to experience the sense of wellbeing that emanates from the whole and authentic self. 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

(Lecture 2 credits) - Graded S/U

This course is a practical workshop in communication skills. Students examine communication techniques used to listen, express problems, and identify solutions. This class is designed for learning effective communication in the roles of 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 2 credits) – Graded S/U

This course provides the foundation necessary to understand the fundamental dynamics of mind-body medicine. The science of mind-body medicine, including psychobiology and psychoneuroimmunology, will provide foundations for exploring psychosocial and spiritual dimensions in healing. Techniques such as meditation, imagery, hypnosis, biofeedback, talk therapy, prayer, medical intuition, and shamanism 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 830 Eating Disorders and Prescriptions in Addictive Behaviors

(Lecture 2 credits)

This course examines the special challenges of addictive, weight, and eating disorders. Students are asked to diagnose and examine the psychological aspects, nutritional needs, and treatment and supportive treatment plans for these patients. Cases are provided for students to analyze and identify sequential steps for patient management. Prerequisites: NUTR 755

**PSYC 835 Practicum in Mind-body Healing
(Lecture 2 credits) - Graded S/U**

Students begin utilizing methodologies and techniques of mind-body healing. Intervention techniques are applied within a clearly outlined treatment plan. The use and effectiveness of various process-oriented techniques are critically evaluated. Course will review and demonstrate the most current approaches. Students practice and develop their skills in mind-body healing. Instructor and/or guest speakers will supervise skill-building sessions, and provide effective role models. Prerequisites: PSYC 660; Eligibility to enter Clinical Training

**PSYC 850 Principles and Practice of Medical Psychology
(Lecture 3 credits)**

Students learn 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 and, the impacts of death and dying, suicide, and domestic violence are explored. Legal and ethical issues related to these behavioral health dimensions are discussed. The use of agencies and referral sources is emphasized as are crisis intervention and other strategies for dealing with emergency mental health situations. Prerequisites: Eligibility to enter Clinical Training

PSYC 865 Medical Biofeedback (Elective)

(Lecture 3 credits) - Graded S/U

Students receive training in the principles and applications of biofeedback with a focus on integrating these treatment modalities into a naturopathic medical practice. The integration of biofeedback as a complementary approach with other therapeutic procedures to address medical and stress-related health conditions will be emphasized. Students learn to use conventional biofeedback equipment and therapeutic indications. Taken together with Foundations of Neurofeedback, PSYC 870, this course fulfills didactic requirements for certification from the two major certification boards in biofeedback. Prerequisites: None *Non-SCNM students must have a license to practice, or be sponsored by someone who is certified in biofeedback and/or neurofeedback.*

PSYC 870 Foundations of Neurofeedback (Elective)

(Lecture 3 credits) - Graded S/U

(A course fee applies – See Tuition and Fee Schedule, p. 15)

Students receive training in the principles of neurofeedback (EEG biofeedback) and its clinical application to various brain, neurological, and psychiatric conditions such as ADHD, depression, anxiety, insomnia, addiction, and traumatic brain injury. Course includes neurofeedback history and research, EEG & electrophysiology, instrumentation, treatment planning, and experiential modules designed to familiarize the student with electrode placement, and clinical applications. The course will also provide an introduction to quantitative EEG interpretation and its use to inform optimal treatment strategies. This course fulfills didactic requirements for certification from the two major certification boards in neurofeedback. Prerequisites: None; *Non-SCNM students must have a license to practice, or be sponsored by someone who is certified in biofeedback and/or neurofeedback*

CLTR 600 On Site Mind-Body Rotations

(4 credits offered/Quarter)

Dye, Raymer, Messer, J.

CLTR 600 On-Site Neurofeedback Rotations

(4 credits offered/Quarter)

Dye, Raymer, Wyckoff

DEPARTMENT OF NUTRITION

Department Chair: Mona Morstein, ND, DHANP

Total Credit Hours in Nutrition: 12 credits
(Clinical Credits offered: 4 credits/Quarter)

The courses in the Department of Nutrition focus on the biochemical, nutritional, and hormonal impacts of diet. Students will be able to identify nutritional, biochemical, and hormonal weaknesses in their patients which are obstacles to cure. Students will identify how food can be used to regain and rebuild health physically, mentally, and emotionally. Courses emphasize the body's metabolic pathways for macronutrients and micronutrients; diet diary analysis; nutritional specialty testing; the nutrient requirements of different people at different times in life; knowledge of supplements available to the nutritionally oriented practitioner; and therapeutic dietary protocols used to attain and maintain health.

NUTR 620 History of Nutrition and Diet/Detoxification
(Lecture 2 credits)

This lecture and video viewing course does a quick historical view of how nutrition evolved in the human species and discusses modern issues in nutrition, such as GMO and irradiated foods. Students learn how improved nutrition can benefit maladaptive students at school and also learn how the agri-industrial complex has changed the quality of food in the American diet, with the resultant defects in nutrition. The class also discusses the basics and benefits of organically grown foods. Prerequisite: None

NUTR 650 Macronutrients and Specialized Diets
(Lecture 2 credits)

This course examines the macronutrients Fats, Carbs, Proteins; amino acids; fiber. It also discusses the various specialized diets naturopathic medicine uses in daily clinical practice and the pros/cons of artificial sweeteners. Prerequisite: NUTR 620

NUTR 670 Micronutrients, Enzymes and Accessory Nutrients
(Lecture 3 credits)

This course examines the source, actions, deficiencies, toxicities, dosing, and therapeutic uses of vitamins, minerals, and accessory nutrients. It also examines how to read nutritional labels and discusses the different types and usages of enzymatic therapies. There is also a section on nutrient/nutrient interactions and nutrient/drug interactions. Prerequisites: NUTR 620

NUTR 740 Nutritional Disease Protocols
(Lecture 3 credits)

This course examines how nutrition, through the application of therapeutic diets and nutritional supplementation, is used to treat various diseases and conditions that are seen clinically in naturopathic medical practices. Prerequisite: NUTR 670

NUTR 755 Creating Nutrition Based Protocols For Patients
(Lecture 2 credits)

This course will bring all previous nutrition courses into clinical reality, whereby students will create three day therapeutic diets, and nutritional supplement regimens, for a variety of different patient populations and medical conditions, and cost limitations. Prerequisites: NUTR 620, NUTR 650, NUTR 670, NUTR 740

CLTR 600 On Site Nutrition Rotations
(4 credits offered/Quarter)
Morstein

DEPARTMENT OF PHYSICAL MEDICINE

Department Chair: Nick Buratovich, NMD

Total Credit Hours in Physical Medicine: 22 credits
(Required: 20 credits, Elective: 1.5 credits)
(Clinical Credits offered: 20 credits/Quarter)

The courses in the Department of Physical Medicine focus on orthopedic physical assessment techniques and treatment modalities including therapeutic touch, palpation, a variety of soft-tissue and osseous manipulation techniques (primarily High Velocity Low Amplitude thrusting), hydrotherapy, and patient case management for functional improvement in injury states, postural stress conditions, and pain management. Structural integration is emphasized.

PHMD 615 Principles of Hydrotherapy
(Lecture 1 credit/Laboratory 0.5 credit)

In this course students are introduced 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

PHMD 605 Touch as Treatment
(Lecture 1 credit/Laboratory 0.5 credit)

This course enables students to palpate bony and muscular landmarks of the spine and extremities and visualize the action of muscles and the location of deeper physical structures. Students also are taught methods of postural analysis and to access joint range of motion. Application of neuromuscular techniques for trigger and tender points using professional therapeutic touch are discussed and practiced. Also included is the topic of nociception, the etiology of injury, inflammation, the fibrosis of repair process, and adaptive remodeling. There is a focus on physical assessment and treatment of tissues based on the sense of touch. Prerequisites: None

PHMD 710 Introduction to Physical Medicine and Orthopedics
(Lecture 1 credit/Laboratory 0.5 credit)

This course examines the study of physical medicine as a diagnostic and therapeutic tool. Students are introduced to muscle energy technique and cranio-sacral technique. Emphasized is regional physical assessment using orthopedic tests and muscle testing. Orthopedic bio-mechanics, gait analysis, and goals of varying therapeutic treatments of acute and chronic joint dysfunction are examined. Prerequisites: PHMD 605

PHMD 735 Physiotherapy Modalities
(Lecture 1 credit/Laboratory 0.5 credit)

This course offers students opportunities to integrate information on physics, physiology, and indications and contradictions of the use of physiotherapy equipment. Evaluation of treatment protocols and applications of major physiotherapy modalities are emphasized. Prerequisites: None

PHMD 740 Naturopathic Manipulative Treatment – Assessment & Application I

(Lecture 2 credits/Laboratory 1 credit)

PHMD 770 Naturopathic Manipulative Treatment – Assessment & Application II

(Lecture 2 credits/Laboratory 1 credit)

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 including postural stress of the musculoskeletal patient. Emphasis is on regional

orthopedic physical assessment and osseous manipulation (High Velocity Low Amplitude–HVLA). Manipulative treatment includes the sacro-iliac, lumbo-sacral, lumbar, thoracic, ribs, cervical, and occipital spinal areas; extremities; and specialty visceral manipulative techniques. Students write narrative reports on musculoskeletal conditions and demonstrate applications of Naturopathic manipulative treatment (NMT) and patient case management of the musculoskeletal patient. Prerequisites: PHMD 710 for 740; PHMD 740 for 770

PHMD 820 Orthopedic and Sports Medicine (Lecture 4 credits)

Students evaluate sports and orthopedic injuries. Emphasized are diet, exercise, soft-tissue therapies, physiotherapy, manipulative technique, and medicines used in the treatment of sports and orthopedic injuries. Prerequisite: PHMD 770

PHMD 870 Muscle Energy and Counterstrain (Elective) (Lecture 1 credit/Laboratory 0.5 credit)

This course focuses on resolving muscle spasm through the use of traditional osteopathic manipulation techniques. Emphasis is placed on the diagnosis and treatment of muscular pain and dysfunction using gentle manipulative techniques that work with only the muscles, rather than HVLA thrusts involving subluxations. Prerequisite: PHMD 770

MSRG 810 Minor Surgery (Lecture 2 credits/Laboratory 0.5 credit)

(A course fee applies – See Tuition and Fee Schedule, p. 15)

The course provides students with both the foundation and practical experience of conducting minor surgery. The student will learn necessary skills including incisions and excisions used in cyst and mole removal and the appropriate suturing techniques. They will also learn skills including cautery, hyfrication cryoprobe. Students will demonstrate the ability to perform topical and local anesthetic injections and skin biopsies. The course also addresses diagnosis and management of surgical patients. The course includes management of surgical emergencies and surgical referral. Prerequisites: ERMD 740

MSRG 890 Advanced Techniques in Minor Surgery (Lecture 1 credit/Laboratory 0.5 credit)

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

CLTR 600 On Site Physical Medicine Rotations (12 credits offered/Quarter)

Buratovich, Jacobson, Kerievsky, Makeeta

CLTR 600 On Site Hydrotherapy Rotations (4 credits offered/Quarter)

Hazel

CLTR 600 On Site Minor Surgery Rotations (4 credits offered/Quarter)

Sorensen

DEPARTMENT OF COMMUNITY MEDICINE

Department Chair: Janice Highfield, ND

Total Clinical Credits offered: 50 credits/Quarter

The Extended Site Rotations take place in nine community clinics throughout the Phoenix-Metro area. SCNM faculty members oversee the students' education and the patient care offered at these clinics. Students learn to manage the

unique health care needs of these typically underserved and diverse patient populations.

CLTR 690 Extended Site Rotation: Royal Assisted Living Center (4 credits offered/Quarter)

Arneson
Dual Diagnosis

CLTR 690 Extended Site Rotation: Arizona Pathways (4 Credits offered/Quarter)

Cronin
Substance Abuse Rehabilitation

CLTR 690 Extended Site Rotation: Sojourner Center (6 credits offered/ Quarter)

Ezre
Domestic Violence Shelter

CLTR 690 Extended Site Rotation: WAHI (8 credits offered/ Quarter)

Arneson
Drug Rehabilitation Center

CLTR 690 Extended Site Rotation: Southwest Center for HIV/ AIDS

(6 credits offered/ Quarter)
Ewald, Kupperman, Williams
HIV/AIDS Clinic

CLTR 690 Extended Site Rotation: Hamilton Elementary School Clinic

(6 credits offered/ Quarter)
Baral, Mitchell
Pediatrics

CLTR 690 Extended Site Rotation: Hamilton Adult Clinic (4 credits offered/ Quarter)

Highfield
Adult

CLTR 690 Extended Site Rotation: Guadalupe Family Health Center

(2 credits offered/ Quarter)
Axelrod
Family Care

CLTR 690 Extended Site Rotation: 7th Avenue Clinic (2 credits offered/ Quarter)

Lewis
Family Care

CLTR 690 Extended Site Rotation: Mission of Mercy (8 credits offered/ Quarter)

Kupperman, Stewart
Mobile Medical Unit

PROGRAM IN POST-GRADUATE MEDICAL EDUCATION (PGME)

SCNM offers a formal post-graduate medical education program (PGME) that offers the participant an opportunity to gain a wide range of clinical experiences in the area of naturopathic family medicine. The goal of the program is designed to train future leaders of the naturopathic profession. SCNM has developed an integrated and unique program which is approved by the Council on Naturopathic Medical Education (CNME). Additionally, SCNM is recognized by the CNME as an approved sponsor of distance-site programs in PGME.

SCNM's program exposes participants to private practice, community clinics, research, and teaching environments. The residents rotate through various areas, working with the Medical Center's experienced staff, as well as medical specialists in areas such as pediatrics, urology, emergency room care, dermatology, orthopedics, geriatric medicine, and cardiology. In addition, each resident physician will begin to develop their own medical skills under the mentorship of the Medical Center's medical staff. When a resident has completed our program, he or she will possess a broad base of skills and experiences. Arizona law requires that resident candidates must be licensed in the state of Arizona before becoming a resident.

In addition to the PGME opportunities at SCNM, the College sponsors two additional programs: one in an acute care setting at the Centro de Salud Familiar in Phoenix, AZ, and a second in general naturopathic family care in Fairbanks, Alaska, at the Alaska Center for Natural Medicine.

Fellowships are available for training in the areas of Environmental Medicine, Naturopathic Pediatrics and Homeopathy. These programs are reserved for those who have completed a 1-year internship and desire additional training in an area of emphasis.

SCOPE OF PRACTICE

The legal aspects of practicing naturopathic medicine vary by state in the US and by province in Canada. In those states and provinces in which naturopathic physicians are licensed, NDs may see patients for general health care and for the diagnosis and treatment of acute and chronic conditions. Their scope of practice may include nutritional science; botanical medicine; Naturopathic manipulative therapies and other physical medicine; oriental medicine; homeopathy; mind-body medicine; natural childbirth; minor surgery; prescriptive authority including immunizations; and all methods of laboratory, x-ray, and clinical diagnoses. The state of Arizona offers the widest scope of practice for naturopathic physicians in the United States.

PRACTICING WITHOUT A LICENSE

In Arizona practicing naturopathic medicine without a license involves the diagnosis or treatment of any patient by an unsupervised naturopathic medical student or any other unlicensed person where money may or may not be exchanged.

Naturopathic medical students are held to a higher standard than the general population. It is understood that naturopathic medical students must practice skills in order to become minimally competent for graduation. The practice of skills such as history taking or homeopathic case taking are less concerning than the practice of skills such as digital rectal exams, gynecologic examinations, minor surgery, injections, manipulative therapies, and IVs. The difference lies within the relative risk to the public. There is higher risk to the public with the practice of an IV as compared to the risk to the public with the practice of taking a history. Additionally, the quality of the educational experience is of the utmost importance. In general, supervision of skills enhances the quality of the learning experience. Thus, the practice of skills that poses a greater risk to the public are to be done in the Directed Skill Development Laboratory (DSDL). This includes:

- Naturopathic manipulative treatment (NMT) must be practiced in a supervised practice lab. Orthopedic tests, palpation, soft tissue techniques, and NMT “set-up” are exempt and may be practiced without supervision.
- Acupuncture must be practiced in a supervised lab. OSHA requires that acupuncture be done utilizing clean technique and in a room with no carpet. Standard of Care requires a count of “needles in” and “needles out” which must be documented. Point identification, palpation, and acupressure are exempt and may be practiced without supervision.
- Minor surgery, injection therapies, and IV therapies, outside of classroom activities, must be practiced at the Medical Center under the supervision of a licensed physician.

EDUCATIONAL PROGRAM

Academic Coursework

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, including acupuncture and oriental medicine, botanical medicine, homeopathic, mind/body and physical medicine, environmental medicine, and nutrition. Laboratory classes include dissection of cadavers, physical exams, palpation, manipulation, acupuncture, hydrotherapy, microbiology, histology, preparation of herbal medicines, and the use of simulation models. Didactic classes include traditional and adult learning classroom teaching methods, group projects, and experiential coursework.

ACADEMIC SUPPORT

Doctore Tutoring Center

The Doctore Development Center (DDC), founded in memory of Dr. Thomas Richards, is a formal tutoring center staffed by upper-class students in good academic standing. They provide one-on-one tutoring in a structured environment helping with specific course content, study skills, time-management, and general advice for students struggling with the intensity of the program. This center is facilitated by the Dean of Students who oversees tutor selection, orientation, scheduling, and communication between tutors, students, faculty, and administration.

Directed Skill Development Laboratory (DSDL)

The Directed Skill Development Laboratory (DSDL) supports and advances the safe and effective clinical skills development of SCNM students through directed laboratory learning experiences. The DSDL supports the development of the professional standards necessary for students to become competent and effective naturopathic physicians. The DSDL laboratories are usually conducted at times outside normally scheduled classroom and laboratory periods.

Students are only allowed to participate in active skill development in the modalities for which they have successfully passed the specific course(s) and laboratory(ies) related to each specific modality. Modalities to be covered include osseous manipulation, acupuncture needling, infusion, injection and phlebotomy. Students are expected to sign into and out of the DSDL and to complete appropriate liability waiver forms. All SCNM students are encouraged, as they become eligible, to take advantage of the DSDL throughout their entire program at SCNM.

Clinical Skills Lab

The Clinical Skills Lab, supports and advances clinical skills development in conjunction with physical diagnosis, clinical assessment and clinical sciences courses and clinical rotations. Students have the opportunity to develop and practice their clinical skills by using simulation models that represent numerous body systems, to include pulmonary, cardiac, genitourinary, gynecology and pediatrics. The lab also offers an opportunity for faculty to refer students for remediation or additional practice in developing specific clinical skills during didactic courses or clinical rotations. The lab is conducted outside normally scheduled classroom hours during the week and weekend at both the College and Medical Center.

CLINICAL EDUCATION EXPERIENCE

The clinical training program is designed to be completed in eight quarters. Students begin their clinical education in a supportive/observational role and as they demonstrate competence they become more active in the responsibilities of direct patient care. Students work under the direct supervision of a licensed physician. A minimum of 700 patient contacts and 65 clinical training credits must be completed with a broad spectrum of patients at the various clinical training sites.

Aside from seeing patients in the Medical Center, students have access to extended site and elective site locations. Extended sites are teaching clinics that are typically located in community clinics that provide care to underserved patient populations. These sites are staffed by SCNM faculty who oversee the patient care and the students' education. For a complete listing, please contact the Registrar's Office or reference the SCNM web site at www.scnm.edu.

Additionally, students in thirteenth quarter and beyond may choose to participate in approved elective site rotations. Elective site rotations are staffed by physicians in private practice, hospitals, ambulatory care facilities, long-term

acute care facilities, etc. These physicians are not SCNM faculty; yet, due to their generosity and commitment to medical education, they offer students the opportunity to learn not only medicine, but often practice management in real-life practice settings. It should be noted that students cannot be supervised and/or evaluated by their own personal physician or a primary family member who is a physician or other medical practitioner.

ELIGIBILITY FOR CLINICAL TRAINING

In order to be eligible to participate in the clinical training program at SCNM and the Medical Center, students must:

- Have full admission status
- Be in good academic standing
- Satisfactorily complete all courses in quarters 1-8 as listed in the program of study
- Pass the clinical entry assessment course, CTNG 740
- Pass the clinic entry exam
- Take the basic sciences portion of NPLEX or comply with existing NPLEX policy
- Apply for and receive a clinical training certificate from the Arizona Naturopathic Physicians Board of Medical Examiners. It is important to note that the clinical training certificate must be renewed annually for the duration of a student's clinical training. If a student fails to renew his/her clinical training certificate, they are ineligible to continue their clinical training until such time that the clinical training certificate has been renewed
- Provide the Registrar's Office with a current copy of a CPR card, Hepatitis B information, TB screening, and any other required health information
- Complete and pass a mandatory drug test

For other clinical entry requirements, please refer to the Medical Center clinical handbook

Clinical entrance lab fee and quarterly lab fee applies. (*See Tuition and Fee Schedule, p. 15*).

These requirements must be met by all students, including transfer students and students with advanced standing. The case of any student on academic probation/warning will be reviewed by the Academic Progress Committee on a case-by-case basis. Previous enrollment in a clinical training program at another naturopathic college or other medical college does not allow the student to enter SCNM's clinical training program without meeting all of the above requirements.

CLINICAL TRAINING PROGRAM

Students who successfully complete the eligibility requirements may enter the clinical training program at the SCNM/Medical Center. As noted, students have access to clinical rotations at the Medical Center, extended sites or elective sites. Each clinical rotation is equal to 2 credits and is further defined as a total of 40 or 44 hours (4 hours during the course of the 10 or 11 week quarter). Once a student has started his/her clinical training, he/she is required to work a minimum of 5 credits (2.5 rotations) at the Medical Center during SCNM's breaks. According to the standards set by the CNME, no more than 26 credits (13 rotations) may be observation only and no more than 19 credits (9.5 rotations) may be with a non-ND supervising physician. ND supervising physicians must hold an

active license in the US or Canada. For a description of the various clinical rotations and posts, please contact the Registrar's Office.

In order to complete clinical training and meet graduation requirements, a student must:

- Complete 65 credits of clinical rotations, 1 credit of lab post, and 1 credit of medicinary post, for a total of 67 credits
- Have at least 700 patient contacts
- Complete the student competency check-offs
- Complete and pass the Primary Status Exam
- Complete and pass the Clinic Exit Exam
- Maintain a current CPR certification
- Renew the clinical training certificate annually with NPBOMEX
- Update Hepatitis B information, TB screening or any other related health information annually.

All students are expected to follow current clinical policies and procedures, as outlined in the Medical Center Clinical Handbook. The Medical Center Clinical Handbook is distributed in the second year of the program and is available at the Registrar's Office or on MySCNM (<http://my.scnm.edu>).

(Refer to complete list of graduation requirements under Academic Policies and Graduation Requirements)

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

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 by others to educational records without express written consent of the student.

Students have the right to review and inspect their educational records, including their 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 Enrollment Services Center for a student to request that SCNM withhold all directory information. SCNM defines directory information as name, address, photo, phone number, e-mail address, dates of attendance, program of study, and degree/awards earned.

Proper Disclosure

Student information of a private, personal, or confidential nature that is provided to SCNM faculty and staff, will not be disclosed improperly. The faculty is expected to provide accurate evaluations of students. For the purposes of monitoring and recording student progress, evaluations include the strengths and weaknesses of academic, clinical, communication, and professional skills. The evaluations also include observations and opinions regarding academic effort and professional conduct. Although not required, faculty and staff may provide judgments of a student's abilities and character to others in appropriate circumstances in accordance with the SCNM policy on student records.

CHANGE OF NAME

The name used by a student on all educational records, including their diploma, 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
- Certified copy of a court decree dissolving a marriage/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 after all materials are submitted. Changes to the permanent student record occur at the end of the quarter in which the request was made. No changes are made to a student's academic record following graduation and posting of the degree.

ENROLLMENT POLICY

Full-time enrollment is defined as being enrolled for a minimum of 12 credits (didactic and/or clinical). Part-time enrollment is defined as being enrolled for a minimum of 6 credits but less than 12 credits. Students on financial aid who do not meet the full-time enrollment minimum must meet with the Office of Financial Aid. Students may not register for less than 6 credits unless approved by the Registrar. International students attending SCNM on an I-20 must maintain full-time status. Any change in enrollment status for I-20 students must be approved by the Dean of Students. Based on the number of credits transferred, the completion time for advanced standing and transfer students varies and will be determined before matriculation. SCNM does not guarantee the length of the program to be less than four calendar years.

SCNM does not guarantee the award of the degree to students enrolled in the program. The award of degrees is conditioned upon satisfaction of all current degree and instructional requirements at the time of such award, compliance with SCNM regulations, as well as performance and conduct meeting bona fide expectations of faculty. No member of the faculty is obliged to provide students or graduates with an evaluation or letter of recommendation which does not accurately reflect that faculty member's true opinion and evaluation of the student's academic performance and conduct.

CLASS SCHEDULES

Current schedules and information will be posted online on MySCNM (<http://my.scnm.edu>) and is also available at the Registrar's Office. Quarterly class schedules are available at the Registrar's Office the Friday prior to registration. Scheduled classes are based on faculty member availability, classroom availability, and other related factors. Classes are typically held between 8 a.m. and 6 p.m. weekdays, but some may take place in the early morning, evening, during a weekend, or in an intensive (2 ½ or 5 day) format. Once a schedule is released, changes will be made only in the event of extreme circumstances.

INTENSIVE COURSES

An intensive course is a specific required or elective course which, because of the subject, class schedule or faculty member's availability, is offered in a shortened time period. Typically fall and spring quarters have scheduled intensive weeks. For instance, a 20 credit hour course may be offered four hours per day

for five days. Occasionally, intensives are offered over a weekend, with classes beginning Friday evening and continuing Saturday and Sunday. Every effort is made to minimize the scheduling of required weekend intensives.

AUDIT

Students may audit a course if they have met the course prerequisites, registered, and paid the audit fees. 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 and then take or challenge a course. Additionally, students cannot audit laboratory or elective courses. (*See Tuition and Fee Schedule, p. 15*).

DIRECTED STUDY

Directed study is available on a case-by-case basis. A student may only take a directed study if the student 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 faculty member, department chair, and the Dean of Medical Education and must be supervised by a faculty member. Directed studies are only applicable for certain lecture-only courses. The Dean of Medical Education reserves the right to make exceptions. (*See Tuition and Fee Schedule, p. 15*).

ATTENDANCE

Students are strongly encouraged to make the most of their educational opportunity by attending all classes. It is the faculty member's prerogative to determine attendance requirements for lecture sessions as stated in the course syllabus. Attendance at laboratories and clinical rotations is mandatory. Students receiving financial assistance from the Veterans Administration (VA) are responsible for VA attendance requirements.

STUDENT COURSE EVALUATIONS

Students are required to complete a course evaluation at the end of each course. The Office of the Dean of Medical Education tabulates the information from these evaluations and provides the results to SCNM Faculty and Administration. The purpose is to provide opportunities for administration and faculty to adjust courses, instructional approach, and style and to enhance the learning environment.

ACADEMIC ADVISING

The Academic Advising Specialist offers systematic academic advising throughout the entire academic year, and appointments are strongly encouraged. Each student's academic progress is evaluated on a quarterly basis. Students are encouraged to meet with the Academic Advising Specialist to assist with academic and professional development issues as needed. Students on decelerated track, with advanced standing, with transfer credits, and those students on academic probation are required to meet with the Academic Advising Specialist and Dean of Students more often.

REGISTRATION

Special Schedule Pre-Registration

Students on decelerated track or with advanced standing and transfer credits are considered special schedule students. These students are required to meet with the Academic Advising Specialist each quarter during the designated pre-registration period to develop a schedule for the next quarter. Students failing to pre-register before the first day of registration will be subject to the late registration fee (see *Tuition and Fee Schedule*, p. 15). Special schedule students must also final register with the Registrar's Office during the posted registration times.

Registration

New students must show two forms of identification before registering for classes. Once matriculated, a student must be continuously enrolled unless the student is taking an approved leave of absence. Registration dates are published in the academic calendar unless posted otherwise. Students who register and complete payment after the scheduled registration period will be charged a late registration fee (see *Tuition and Fee Schedule*, p. 15). Registration is the responsibility of the student. Students who fail any course will be withdrawn from the post-requisite course(s) and placed on decelerated track. Students must have the required prerequisites or co-requisites to register for the next quarter's courses. 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. The following offices may place registration holds: Admissions, Business Office, Dean of Students, Dean of Medical Education, and Registrar. Any registration hold must be addressed before a student allowed to register.

Course Drop/Add and Withdrawal

SCNM uses a track program. Any student seeking to depart from the track schedule must receive approval from the Academic Advising Specialist and the Academic Progress Committee. Advanced standing, transfer, and decelerated-track students must meet with the Academic Advising Specialist in order to register for classes or to make changes to their schedule. The changes must meet all prerequisite requirements, authorization prior to registration. Schedule changes requested after the start of a quarter are only permitted as detailed below. Appropriate changes to schedule fees apply. (See *Tuition and Fee Schedule*, p. 15).

ADDING AND DROPPING COURSES AND CLINIC ROTATIONS

Academic Courses

Special schedule students who wish to add or drop a course must submit an add/drop form to the Registrar's Office after meeting with the Academic Advising Specialist. In addition, students who are on federal financial aid and whose reduced course loads change their enrollment status from full-time to part-time must meet with the Director of Financial Aid. Courses may be added, dropped, or changed to audit only during the first two weeks of the quarter (add/drop period). Courses may only be added in week two with the permission of the instructor and the department chair or the Dean of Medical Education. Students dropping a course after the census date (end of week two) may impact their academic performance/academic progress and will be placed on a decelerated-track schedule.

Electives and Intensive courses may be added up until the first day of class but may not be dropped after the first class. Tuition paid for elective courses will not be refunded after the first day of class.

Courses may be dropped during the third or fourth week of the quarter only with the permission of the faculty member and the Academic Advising Specialist. Courses dropped during this period will result in a grade of WD on the transcript. After the end of week four, a student who withdraws from a course will receive the grade earned at the time of withdrawal: WF or WP. A grade of withdrew/fail – WF --will be assigned if the faculty member cannot certify that the student was passing the course at the time of withdrawal. Courses may not be dropped after the fifth week of classes without the approval of the Academic Progress Committee.

Clinic Rotations

To add or drop a clinic rotation, students must have an add/drop form approved by the Registrar and/or Clinical Records Coordinator and the Dean of Medical Education. Students may not drop a requested rotation. (See *the Medical Center Clinical Handbook for add/drop policies*).

An add/drop fee will be charged for any rotation changes after the deadline date, which is approximately one week after the clinic add/drop week has ended (see *Tuition and Fee Schedule*, p. 15). Students wishing to drop any clinic rotations after this time must fill out the appropriate form and submit it to the Registrar's Office. It will then be presented to the Dean of Medical Education and/or the Academic Progress Committee, a decision will be made, and the student will be notified in writing. The Academic Progress Committee meets once a week, and students are required to meet current clinic policies until otherwise notified in writing. All fees concerning clinic rotations will continue to apply.

Add/Drop Refund Policy

There is no tuition refund for courses dropped unless there is a change in the student's enrollment status between full time and part time. Tuition paid for elective courses will not be refunded after the first day of class.

TESTING AND EXAMINATIONS

The testing and examination of students may be 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, the student's skills may also be assessed by practical and oral examination in addition to written exams. Course requirements can be found in the individual course syllabus.

Missed Examinations

Students are expected to sit for all examinations at the scheduled time and day. This includes midterms, finals, tests, or quizzes. As a standard policy, SCNM does not allow students to retake any examination. Students who miss an examination will be assigned a grade of zero for the examination. If students know ahead of time they will miss an examination, it is up to the student to directly inform the faculty member teaching the course of their absence at least one day prior to the administration of the examination. If such contact is not reasonably possible, the student must contact the professor as soon as possible after the examination and attempt to work out a solution with the faculty member. In both cases, written justification (doctor's note, etc.) with appropriate documentation must be provided to the faculty member. If the faculty member determines there were rare and extenuating circumstances (i.e., serious illness, accident, etc.) which prohibited the student from both attending the examination and from informing the faculty member one day prior to the examination, then the faculty member has the authority to offer a make-up examination to

the student. Students who are not allowed to make up a missed examination and believe they were not provided fair treatment by the faculty member can utilize the normal grade appeal and/or grievance procedures.

Students providing a legitimate, acceptable reason to be excused from taking a regularly scheduled final examination can be given an opportunity to sit for an alternatively scheduled examination, which must be different in content than the originally scheduled examination. The student must contact the relevant faculty member 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 and Fee Schedule, p. 15*). Abuse of this policy and privilege will result in the privilege being withdrawn.

Examination Standards

When taking examinations, students:

- Are required to leave all books and other aids in an inaccessible spot, which is usually in the front of the room or in their locker (exception: open-book tests).
- Must refuse to assist other students in cheating.
- Should encourage honesty and discourage dishonesty among other students.
- Must ensure that their line of sight does not cause suspicion of cheating and should not look in the direction of another student's papers during examinations.
- Should place as much space between themselves and other students as possible.
- Are not allowed to talk to each other during an examination.
- Are encouraged to use a blank sheet of paper placed over their work and take the initiative to prevent others from copying their work.
- May not leave the room and return to the test, or hand test/papers to faculty/proctor without express permission.

Students speaking to one another or appearing to engage in academic dishonesty during an exam will have their exams confiscated, will receive an automatic zero for the examination, and may be subject to disciplinary actions. (For more information, see SCNM student handbook section on integrity and academic honesty.)

Final Examinations

Final examinations will be conducted at the conclusion of every quarter during the period designated in the academic calendar. A final examination schedule specifying days and times for each course will be established and published each quarter by the Academic Coordinator. All final examinations must be conducted according to the schedule. Exceptions to this schedule are only made for conflicts that may arise for decelerated track students (this requires verification from the Registrar's Office); for required or approved take-home final exams; or for special projects, which will be due during the appropriate period set by the faculty member.

A student may not take an examination at other than the designated time without petitioning and being granted permission to do so by the faculty member. The appropriate request form can be found in the Academic Advising Specialist's or Registrar's Office. Special exam fee(s) may be applied. (*See Tuition and Fee Schedule, p. 15*).

Students wishing to finalize travel plans before the exam schedule is released must plan their travel to begin after the last scheduled exam block. Students who make travel plans that conflict with their final exams will not be able to have their exams rescheduled and will be assigned a zero on the exam.

Challenge Examinations

Students may apply to take a challenge examination if they have taken a similar course or show evidence of other relevant experience that is determined by the Academic Advising Specialist to be of similar content and level of the course being challenged. A syllabus or other relevant documentation is required for evaluation. The challenge exam applies only to the course being challenged and may not be used for another course.

Students must be enrolled in the course in which they plan to challenge. The Application for Challenge Exams must be submitted no later than the first week of the quarter in which the challenge course occurs. Applications are available in the Registrar's Office and at the Enrollment Services Center. Eligibility is determined on a case-by-case basis by the Academic Advising Specialist. Once the application is approved, the student must pay the challenge exam fee prior to sitting for the exam. This fee is non-refundable. (*For challenge fees see Tuition and Fee Schedule, p. 15*). The challenge process must be completed by the end of 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, the student must complete the course. Course credit given through passing a challenge exam will be reflected as a grade of Satisfactory (S) on the transcript.

Students who are denied the right to take a challenge exam may formally appeal a denial in writing through the Dean of Students Office. Students are required to enroll and attend the course until the challenge exam is completed and accepted. Enrolled students are not eligible to take a challenge exam in a course they have previously failed. Students on academic probation or academic warning are not eligible to take challenge exams. Clinical credits cannot be challenged. Non-degree students cannot challenge a course.

LICENSING EXAMINATIONS

The licensure of physicians to practice medicine is a function of an individual state or province. The states and provinces often recognize bodies or organizations that create and administer licensure examinations. The North American Board of Naturopathic Examiners (NABNE) certifies candidates as eligible to register for the licensing exam, which is created and administered as the Naturopathic Physicians Licensure Examination (NPLEX). It is the student's responsibility to be familiar with NABNE and NPLEX policies and procedures. Information on licensing laws is available in the SCNM Library.

NPLEX Policy

SCNM considers the NPLEX Parts I & II to be significant measures of professional achievement toward becoming a naturopathic physician. The policies for NPLEX and its administration are set by NABNE.

Student performance on the NPLEX examinations provides the faculty and administration with a measure of the level of understanding students have in a broad number of subject areas. This performance offers SCNM important information on curricular content and teaching methodology. Student scores also provide SCNM and the patients they see with a level of assurance that they can perform adequately as student doctors.

It is required that all students give SCNM a copy of their NPLEX application form on which they direct NABNE to send their NPLEX exam scores (Parts I & II) to the College. In order to register for clinical rotations, all students must submit the original examination results from NABNE.

Currently, NABNE administers the NPLEX exams two times each year. For students entering with the fall class, NPLEX Part I is administered in August of the second calendar year. For students entering with the spring class, NPLEX Part I is administered in February of the second calendar year.

Students who do not pass all five subject examinations must, based upon NABNE policy in place at that time, retake the examination(s) at the next administrative offering. Students failing to retake NPLEX Part I at the next administration are subject to suspension or other sanctions deemed appropriate by the Academic Progress Committee.

NPLEX Part I

Taking the NPLEX Part I is required at the first offering of the exam immediately following the 8th quarter or completion of the basic science courses, whichever comes first. Students must have satisfactorily completed all basic science coursework in order to be cleared by the Registrar's Office to sit for the exam; Students must take NPLEX I to be eligible to participate in the clinical training program.

Passing the NPLEX Part I is a requirement for graduation from SCNM.

As a graduation requirement, students must pass the NPLEX Part I within the normal 6 years allowed to complete all graduation requirements. If a student completes all program requirements except passing NPLEX Part I, they will be suspended until the College receives official verification of passing. Upon receipt of the official passing NPLEX scores, a graduation date will be posted to the student's academic record. This date will be the next SCNM conferral date, which is the end of the quarter following completion of all graduation requirements. Successful completion of all graduation requirements would enable the student to participate in the next graduation ceremony. If Part I is not successfully completed within the 6-year limit, students will not receive their degree and will be dismissed from the College.

SCNM will offer "mock" NPLEX Part I exams on a periodic basis to assist students in assessing their readiness.

Students who do not pass all 5 sections of the formal NPLEX Part I must, within two weeks of receiving their NPLEX scores, meet with the Academic Advising Specialist and the Dean of Students to develop a remediation action plan designed to improve their ability to pass the NPLEX Part I at the next attempt. All plans will be presented to the Academic Progress Committee for final approval.

Students re-taking NPLEX Part I who fail any part of the exam are required to meet with the Academic Advising Specialist at least once a quarter and to meet at least twice yearly with the Dean of Students to report their progress.

Students who fail the NPLEX Part I more than three times may be subject to suspension or to other stipulations deemed appropriate by the Academic Progress Committee.

Appeals to any part of this process follow the normal SCNM Grievance Procedures.

NPLEX Part II

Passing NPLEX part II examination is not a graduation requirement of SCNM, but it is required to become licensed. This policy applies to all students, including advanced standing students, unless they have been granted a waiver from NABNE. Students should be aware that NABNE may modify its policies and procedures at any time. It is the student's responsibility to be aware of NABNE/NPLEX policies and procedures.

GRADING SYSTEM

Faculty is required to provide students with a course syllabus that outlines course requirements, including methods of evaluation which assess mastery of course content. The Medical Center clinic handbook describes grading procedures specific to clinical rotations.

GRADE	DESCRIPTION	POINTS	PERCENTAGE
A	Outstanding	4	90-100%
B	Very Good	3	80-89%
C	Average	2	70-79%
F	Fail	0	69% or less
AU	Audit		Taken/Information
I	Incomplete		Additional work required
S	Satisfactory		Pass/Credit Earned
T	Transfer		Graduate transfer
U	Unsatisfactory		Fail/No Credit Earned
WD	Withdraw		Withdraw course
WF	Withdraw/Fail		Withdraw/Fail
WP	Withdraw/Pass		Withdraw/Pass
WV	Waive		Requirements waived
WIP	Work/Progress		Continuing course

Clinical rotations and lab posts are graded satisfactory/unsatisfactory (S/U).

Courses graded with an S/U have no affect on GPA and are noted in the course description section of the catalog.

Grade Reports

Grade Reports are available within 2 weeks of the end of the quarter. Grades are considered a part of the student's educational record and will not be released to anyone other than the student or posted in any personally identifiable form. Grade reports are available upon request through the Registrar's Office and viewable online through MySCNM.

Grade Point Averages (GPA)

The GPA for each quarter is calculated by multiplying the grade received (for example, A=4, B=3) by the number of credits for each course. Add the credits; add the grade points, and divide the total points by the total credits. Grades of satisfactory, withdraw, or incomplete are not included in 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 SCNM GPA.

Grade Appeal Procedures

Students may appeal the receipt of a final grade in a didactic course or clinical rotation based on the following policies. Normal grade changes can be the result of an error in calculation, mis-marking a paper or exam, omitting an assignment that should have been included in the final grade, or for allowing the student to turn material in late. Students must contact the faculty member immediately to initiate the process. Grade appeals may not be initiated later than 30 days from when grades are issued without the approval of the Executive Vice-President of Academic and Clinical Affairs.

Didactic Course and Clinical Rotation Grade Appeal Procedures

A student who believes they were not properly evaluated in a didactic course or clinical rotation should begin by contacting the faculty member in person or in writing, in an effort to resolve the issue. If an agreement cannot be reached with the faculty member, the student can request an appeal by formally contacting the following administrators, in the following order, to pursue a resolution: department chair, the Dean of Medical Education, and the Dean of Students. After the completion of these appeals, if the student still believes the grade assignment has not been resolved to their satisfaction, they can formally appeal to the Academic Progress Committee and then to the Executive Vice-President of Academic and Clinical Affairs. The last level of appeal for didactic courses and clinical rotations is the Executive Vice-President of Academic and Clinical Affairs.

Grade of Incomplete

When extenuating circumstances arise prior to the end of the quarter, a student may request a grade of incomplete from the faculty member teaching the course. In such cases, a student requiring an Incomplete must submit a written request with full rationale to the faculty member no fewer than three days prior to the final exam or last meeting, provided the student has satisfactorily completed at least 70% of the didactic course or rotation attendance requirements.

If the request is granted, a written incomplete grade agreement will be prepared by the student and signed by both the student and faculty member. The agreement must contain a description of all the work to be completed, the date by which this work is to be completed, and what the grade will be changed to if the work is not completed within the time limit. This agreement will be placed in the student's file in the Registrar's Office. The completion deadline for registered students is usually the end of the third week of the following quarter or as determined by the faculty member. All incompletes must have a final grade submitted by the faculty no later than the end of the following quarter with the exception of documented medical or military leave as noted below. The Academic Progress Committee will grant exceptions on a case-by-case basis.

An incomplete may be granted only upon the demonstration of such hardship to a student as would render it unjust to hold the student to the time limits previously fixed for completion of his or her work (e.g., students who receive an involuntary call to active military duty, prolonged illness, hospitalization, or other circumstances beyond the student's control). Work of passing quality and hardship must precede consideration of an Incomplete. Under no circumstances may any student receive an incomplete grade after taking the final exam in a didactic course.

It is the responsibility of the student to complete and submit the remaining work before the assigned deadline. Upon submission of the completed work, the faculty member submits a grade change, converting the "I" to a letter grade. If the student does not meet the deadline, the "I" will automatically be converted to a final grade of "F" fail or "U" unsatisfactory. Students on documented medical leave or military leave may carry the Incomplete for four academic quarters. If the student does not return to classes within four quarters, the "I" will change to "WD."

Grade of Fail or Unsatisfactory

Grade of Fail, "F," or the equivalent, Unsatisfactory, "U," can seriously affect the student's academic progress and the student's financial aid. An "F" in a prerequisite for other courses precludes the student from entering those courses until the "F" has been rectified. In order to rectify the grade of "F," the course must be repeated at the next available offering. A course may be repeated one time only. Both the original "F" and the grade given in the repeated course appear on the student's transcript. If a second "F" is received for the repeated course, the student may be academically dismissed.

STANDARDS OF SATISFACTORY ACADEMIC PROGRESS

Federal regulations require SCNM to develop and apply a consistent policy of academic progress, which includes a quantitative measure (credit hours completed) as well as a qualitative measure (grade point average). To make satisfactory academic progress, SCNM students must take and successfully complete a cumulative number of required credits by the end of every calendar year, (see *Academic Minimum Requirements Table p. 41*), and must maintain a career GPA of 2.0 or higher. Failure to maintain either of these requirements will result in the student being placed on probation and/or eventually academically dismissed. SCNM reserves the right to make exceptions to this policy for mitigating circumstances via the office of the Executive Vice-President of Academic and Clinical Affairs.

ACADEMIC PROGRESS COMMITTEE (APC)

The Academic Progress Committee is chaired by the Dean of Students and composed of approximately seven additional members, all of whom are appointed by the Executive Vice-President of Academic and Clinical Affairs. Additional members should include the Dean of Medical Education, three faculty members (one of whom is a clinical faculty member), the Academic Advising Specialist, the Registrar and one staff member from the Admissions department (non-voting). During its regular meetings, this committee will make recommendations for students related to starting clinical training, a student's academic standing, and reviewing academic and non-academic student performance and progress.

ACADEMIC HONOR LIST

A full-time student who earns a quarter GPA of 4.0 shall be placed on the honor list for that quarter and will receive a letter from the Executive Vice-President of Academic and Clinical Affairs. Students are not eligible for the honor list in any quarter in which they receive an "I" incomplete or an "U" unsatisfactory grade. When an "I" is resolved, however, students who are otherwise eligible shall be added retroactively to the academic honor list for that quarter.

GRADUATION WITH HONORS

There is a three-tiered arrangement of academic achievement awards for graduation. The award "highest academic achievement" shall go to the student(s) graduating with the highest GPA. The award for "high academic achievement" shall go to the student(s) with the second highest grade point average. Any student graduating with a 3.8 GPA or higher shall receive "with honors." Note: highest and high academic achievement awards require a student to have a GPA of at least 3.8. Furthermore, "highest academic achievement" award requires a student to complete all graduation requirements within the appropriate time period. Students who receive a "U" unsatisfactory grade in any quarter are not eligible for graduation with honors. For more information, please see the Registrar's Office.

AT RISK FOR UNSATISFACTORY ACADEMIC PROGRESS

SCNM students have the responsibility to recognize when they are experiencing academic difficulties and to initiate requests for assistance with their faculty mentor or the Academic Advising Specialist. Students are encouraged to seek special assistance from their faculty members, academic advisors, and the Dean of Students. When a student's class attendance and rate of academic progress indicates he or she is not succeeding in a course, the faculty member is required

to discuss the situation with the student and to report the student's concerns to the Dean of Students.

ACADEMIC WARNING

Student academic records are reviewed by the Registrar's Office for satisfactory academic progress at the end of every quarter after all incompletes and tests are completed. Students who maintain a 2.50 GPA in a quarter but receive one or more failing grades will be placed on academic warning. They will receive notification from the Registrar and will be encouraged to meet with the Academic Advising Specialist and the Dean of Students to obtain academic assistance.

ACADEMIC PROBATION

A student on academic probation status is deemed to be making satisfactory academic progress and remains eligible for financial aid.

Academic Probation I

Students are placed on academic probation I if their cumulative GPA falls below 2.0 in any quarter or if they do not meet the minimum academic credits required, as described on p. 41. Students placed on academic probation I will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist for recommendations on how to improve their academic performance. Academic Probation status remains on the student's transcript for that quarter indefinitely. Students return to good standing when their cumulative GPA returns to 2.0 or higher.

Academic Probation II

Students are placed on academic probation II if their cumulative GPA falls below 2.0 for the second time while enrolled at SCNM, or they do not meet the minimum academic credits required, as described on p. 41. Students on academic probation II will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist and the Dean of Students to discuss an academic agreement intended to improve performance. Academic Probation status remains on the student's transcript for that quarter indefinitely. Students return to good standing when their cumulative GPA returns to 2.0 or higher.

Academic Probation III

Students are placed on academic probation III if their cumulative GPA falls below 2.0 for the third time while enrolled at SCNM or they do not meet the minimum academic credits required, as described on p. 41. Students who are on academic probation III will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist and the Dean of Students to discuss final plans to improve performance. Academic Probation status remains on the student's transcript for that quarter indefinitely. Students return to good standing when their cumulative GPA returns to 2.0 or higher.

ACADEMIC SUSPENSION

A student may be subject to suspension due to the same reasons for academic dismissal. The Academic Progress Committee makes the decision for suspension or permanent academic dismissal. While on suspension, a student may only retake failed courses. Unless the student successfully passes all failed courses, he or she will not be readmitted to SCNM.

ACADEMIC DISMISSAL

A student is subject to academic dismissal if the student's cumulative GPA falls below 2.0 for a fourth time (or after being on Probation III), for failing a repeated course, or for not meeting the incremental or maximum time frame requirements for completion of the degree. The student will be contacted to have an opportunity to address the Academic Progress Committee regarding dismissal. Once the decision has been made, the student may appeal in writing to the Executive Vice-President of Academic and Clinical Affairs, whose decision is final. While pending appeal for dismissal, a student may not attend any classes. Students dismissed will not be readmitted to the college under any circumstances.

At any time of the program, SCNM reserves the right to dismiss a student when his or her academic record is deemed unsatisfactory. Likewise, a student whose total record shows considerable ability and marked improvement may be given special consideration.

COMPLETE WITHDRAWAL REFUND POLICY

Complete withdrawal is defined as completely withdrawing from all classes (including a leave of absence). This policy applies to all flat rate and credit based tuition students. Complete withdrawal before the beginning of the quarter start date will result in no financial responsibility for courses that quarter. Complete withdrawal from all classes after the quarter start date will result in tuition charges according to the complete withdrawal refund calculation shown below. Intensive courses that precede the quarter will be considered as stand-alone courses for the purpose of withdrawal and refunds. Refunds for these courses will be based on the length of the course and the time enrolled. No refunds will apply following the 60% mark of the intensive course.

Complete Withdrawal Refund Calculation

For calculation purposes, the date of complete withdrawal is the date the student provides 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 intent to withdraw, the date that is the midpoint of the quarter or the student's last documented date of an academically related activity will be considered the withdrawal date, whichever is the longest time period.

In the case of a complete withdrawal, the following tuition refunds apply for 10-week courses, dependent upon the withdrawal date:

- Prior to the first day of the quarter: 100% refund
- Prior to the end of the 1st-6th week of the quarter: pro-rata refund calculation*
- After the 6th week: no refund

**The pro-rata refund is based on the federal guidelines for financial aid refund and is determined on the basis of the student's withdrawal date and the length of the session. The length of the session is calculated from the first day of instruction through final exams of the registered session(s) and excludes any breaks of five days or more.*

Formula:

A: Refund Rate = Calendar days completed in the period of enrollment ÷ Total calendar days in the period of enrollment

B: Refund Amount = Institutional charges for the period of enrollment X the percentage of unearned Title IV aid

Refunds for financial aid students will be returned to financial aid program funds. Students on federal financial aid should also refer to p. 15 of the catalog.

Students who withdraw from the program, or take a leave of absence on or before the 60% point of the quarter, are subject to Federal Return of Title IV Funds refund calculation. This calculation determines the percentage of federal funds that have been earned by the student at the time of withdrawal and the amount of unearned funds that must be refunded to the federal program. For more information, see the financial aid web page on the SCNM web site, or consult the Financial Aid Office. This refund policy applies only to those students performing a complete withdrawal or a leave of absence. (*Standard refund policies for drop and add can be found on p. 35*).

Medical/Compassionate Withdrawal

A medical/compassionate withdrawal request may be submitted to the Academic Progress Committee through the office of the Dean of Students. Requests are considered in cases in which serious illness/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 faculty member is not possible. Applications for withdrawal require documentation. A student who receives an incomplete for any course has one calendar year or four consecutive quarters to complete the outstanding work and receive a grade before the "I" is changed to a "WD".

Military Withdrawal

Withdrawal for military reasons requires a copy of the government's official "call or recall to active duty" and should be attached to the withdrawal form. Grades of WD for withdrawal are recorded on the official academic record; these grades are non-penalizing. All tuition and fees paid by the student for the quarter from which the student is withdrawing will be refunded at a rate of 100%. If the student is withdrawing after the seventh week (excluding intensives) and was granted approved incompletes by the faculty member, the student is not eligible for tuition refund. The student has one calendar year or four consecutive quarters to complete the outstanding work and receive a grade before the "I" changes to a "WD".

Students who wish to come back within two calendar years from last date of attendance should apply for re-activation of enrollment. The Academic Progress Committee will review the reactivation application before making a decision. (See Re-Activation of Enrollment Section below) A re-activation form must be submitted to the Registrar's Office two months prior to the estimated return to SCNM.

LEAVE OF ABSENCE (LOA)

General Policy

A leave of absence is granted to any student in good academic standing who has satisfied all financial obligations to SCNM. All leaves of absence will be reviewed by the Academic Progress Committee. While on a LOA, students are not eligible to attend classes or clinical rotations. Students requesting a leave of absence must notify the Office of Financial Aid of the intended last date of attendance.

If students are unable to complete a quarter, tuition and fee refunds will be issued according to the add/drop policy and final grades will be issued according to the college grading policy. Leave time will normally be considered a portion of the total time limit for the degree. (*See Completion Time Requirement p. 40*).

The Department of Education requires that a student maintain a minimum status of half-time enrollment to receive federal financial aid. Therefore, students who are on a leave of absence will be considered withdrawn according to financial aid regulation 34CFR668.22(d), and will begin their grace and repayment status of their federal financial educational loans.

Personal Leave of Absence

Students who are temporarily unable to continue their program of studies for personal reasons may request a leave of absence for a specific period of time not to exceed two consecutive quarters in a 12-month period. Students on a personal leave of absence that exceeds two quarters will be officially withdrawn and will be responsible for any outstanding tuition, fees, medical center bills, and library fines.

Medical Leave of Absence

Students requesting a leave of absence for medical reasons must turn in written medical documentation from a licensed physician/psychiatrist/other health care provider. All documentation should be attached to the LOA form. Only students on an approved medical leave of absence will be allowed to remain on a leave of absence for one calendar year or four consecutive academic quarters.

Re-Activation of Enrollment after Leave of Absence

Students who withdraw after a leave of absence exceeding two quarters (but less than four quarters) 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 the time of registration to postpone loan repayment.

Students wishing to be re-admitted within a year from the last date of attendance must submit a reactivation form, non-refundable re-activation fee, one letter of recommendation, an essay, and official transcripts for coursework completed since last date of attendance at SCNM. Reactivation forms and fees must be submitted at least two months before the student will qualify for re-admission. Students returning from a medical leave of absence must provide a written medical clearance letter from a licensed physician/psychiatrist/other licensed health care provider. The Academic Progress Committee will review the reactivation application before making a decision. The time during which the student was on a leave of absence and/or withdrawn will normally be considered a portion of the total time limit for the degree.

The readmission decision will include a review of the student's prior academic performance, the length of the student's absence, current admission policies, enrollment, and changes in the program or degree requirements that may have taken place during the period of absence. The decision will be based on consideration of the best interests of both the student and SCNM. Students whose leave of absence exceeds one year who wish to re-enter the program must apply for admission through the Admissions Office using a full application.

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 academic program will extend the length of the program. Students are expected to complete the ND program within 24 academic quarters, not to exceed six years from initial date of matriculation, including any and all leaves of absence and periods of withdrawal followed by re-activation. In certain circumstances the Executive Vice-President of Academic and Clinical Affairs on the advice of the Academic Progress Committee may grant exceptions to the six-year requirement.

Students must make satisfactory progress toward the completion of their degree at SCNM to be eligible for most financial aid programs, SCNM's satisfactory academic progress policy includes cumulative GPA, academic year minimum credits earned, and 24 total academic quarters.

The following table illustrates the minimum number of credit hours required to be completed at the end of every calendar year.

Minimum Academic Requirements

Calendar year	Total Quarters	Total Credits Earned
1 st	Qtrs. 1-4	63 credits
2 nd	Qtrs. 5-8	126 credits
3 rd	Qtrs. 9-12	189 credits
4 th	Qtrs. 13-16	252 credits
5 th	Qtrs. 17-20	315 credits
6 th	Qtrs. 21-24	380 credits

GRADUATION

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 training requirements, including:
- 65 clinical credits
 - 1 Lab post credit
 - 1 Medicinary post credit
 - 700 patient contacts
 - Satisfactory completion of required clinical competencies
 - Successful completion of Primary Status Exam
 - Successful completion of Clinic Exit Exam
- Pass NPLEX Basic Sciences examination (Part I)
(See *NPLEX Policy*, pg. 23)
- Satisfactory discharge of all academic and/or disciplinary sanctions
- Satisfied financial obligations to SCNM
- Met and completed a minimum of 45 community service hours
- Received approval from the Executive Vice-President of Academic and Clinical Affairs
- Received recommendation from the Faculty Senate

Graduation Ceremony Requirements

SCNM conducts two graduation ceremonies each year. The requirements to participate in the graduation ceremony include the satisfactory completion of all graduation requirements as listed above and payment of all financial obligations to SCNM including the graduation fees (See *Tuition and Fee Schedule*, p. 15). Students who will have completed all classroom requirements in the quarter of the graduation ceremony and who have no more than 12 clinical credits remaining at graduation may walk with their class.

Graduation/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. The diploma is only issued when the student has fully satisfied graduation and financial requirements, which includes completion of the on-line financial aid exit survey. The Registrar's Office will notify students when their diplomas are available for pickup or mail it to the students' current address on file after receiving the mailing fee payment.

Diplomas are not ordered until all graduation requirements are met. At graduation, SCNM recognizes students with the highest academic achievement and high academic achievement.

Transcripts

A transcript is a student's official academic record of courses taken and grades earned. An official transcript will bear the signature of the Registrar as well as the official SCNM seal and will be mailed directly to the address provided by the student. An unofficial transcript issued by SCNM is marked "unofficial." The degree earned by the student at SCNM is recorded on the transcript after graduation. Students are considered to be in good academic standing unless noted. The academic status of a student such as suspended, not eligible to re-enroll, etc., will be noted on the transcript and will be sent to anyone the student authorizes.

Students may obtain unofficial transcripts for themselves or request official copies be sent to other institutions by completing the appropriate form in 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 and Fee Schedule*, p. 15).

Transcripts are issued within 1 week from the date the request is received. While a student is enrolled at SCNM, 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 unofficial copy of his/her transcript 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. Transcripts submitted for admission or credit transfer become the property of SCNM and cannot be returned to the student or forwarded to other institutions.

STUDENT SUPPORT SERVICES

The departments of Student Affairs and Enrollment Services work together to provide students with the necessary services to support their educational experience at SCNM. The Department of Enrollment Services includes the offices of Admissions, Financial Aid, Registrar/Records, Career Center, and Alumni. The Department of Student Affairs includes student rights, counseling, tutoring, and student grievances. Together these departments are committed to developing a positive student experience while providing support and services that respond to the needs of the SCNM community.

Student Affairs

The Office of Student Affairs is responsible for promoting student support programs, facilitating student/SCNM liaison, and addressing student and SCNM-wide issues affecting the educational experience. Additional responsibilities include administering the code of student conduct, student grievances, appeals, judicial processes, counseling students, and actively supporting student learning experiences and the educational environment.

The Dean of Students oversees the academic progress of matriculated students, administers the community service program, liaises with student government and assists students in a wide range of areas and needs, including international student matters and disability accommodation. Students are encouraged to contact the Dean of Students for information or assistance. A more complete description of the services provided by the office is included in the SCNM student handbook.

Enrollment Services Center

The Enrollment Services Center is a “one stop shop” office that integrates financial aid, registration and records, admissions, and support functions. Students can obtain enrollment forms, financial aid assistance, general student records, and registration information and assistance at the Enrollment Services Center. The Enrollment Services Center is open Monday-Friday, 8:00 a.m. - 5:00 p.m.

Career Center

The Career Services Center assists SCNM students and alumni in pursuing and obtaining naturopathic career opportunities. The Center supports students in developing prospective employers and mentors by providing information about the naturopathic profession, CV and cover letter preparation as well as personal coaching. It maintains the job listing site on the SCNM website and presents career building seminars throughout the year. The Center helps the student in the creation of an action plan to ultimately have a professional position prior to graduation. Students are encouraged to take advantage of the Career Services Center's programs early in their course studies.

COMMUNITY INVOLVEMENT PROGRAM

Students are required to contribute 45 hours of their time to community service before graduation. Students may obtain community service forms, as well as drop off completed community service forms, at the Enrollment Services Center. Community service hours may be acquired through direct service to any area of SCNM, including: the Medical Center or one of the extended/off sites, main campus and Research Department. The student does not receive academic credit or pay for these activities. Please see the SCNM student handbook for more information regarding more specifics on acceptable community activities.

Students may obtain community service hours via the community service or community involvement program. This program is overseen by the Dean of Students Office and has been established to allow students to actively promote and support SCNM and the field of naturopathic medicine outside of the usual coursework experience. This program is also intended to not only benefit the

college community, but as means of outreach to the general community. Students are highly encouraged to extend their network outside of school and give their time to other organizations and projects. In keeping with a healthy balance between present endeavors (school) and future networking (the greater community), we envision a blend of hours between the two.

STUDENT COMMUNITY

The student community at SCNM includes people from diverse backgrounds and experiences with a shared commitment to naturopathic medicine and associated disciplines. Demographic information is available in the Registrar's Office.

Student Government

Membership in the SCNM student government association (SGA) is open to all current students. The association represents the interests of the student body, acting as a liaison among the administration, faculty, and students. Elected representatives from each class meet regularly. These representatives bring student concerns to the proper channels for resolution. There is student representation on the College Board of Trustees and other regulatory boards and associations such as AzNMA and AANP. Students are encouraged to share their issues and concerns with their class representatives. More complete information regarding SGA is included in the SCNM student handbook.

Student Clubs

Numerous clubs offer a diverse range of activities and include the Naturopathic Public Awareness Committee (NPAC), the Homeopathic Society, the Naturopathic Society, Imhotep Circle, Club Medico, Healthy Movement Club, Toastmasters, and NDs Without Borders, to name a few.

Guest speakers are frequently invited to share their knowledge in specific areas. The members of different student organizations enjoy a continued education process outside of class, as well as socialization. For more information on a student organization or to organize a student club, contact the SGA president.

STUDENT EMPLOYMENT AT THE COLLEGE

From time to time, student employment opportunities arise at SCNM and are made available. Students who are not in good academic standing may be restricted from SCNM employment until such time as the standards are met. More information on student employment at SCNM is available in the SCNM student handbook.

SCNM TEACHING ASSISTANT PROGRAM

Selected outstanding students at SCNM are encouraged to participate in SCNM's teaching assistant/tutoring assistance (TA) program. TAs work in concert with professors/doctors from a wide range of lecture and laboratory classes to assist other students in learning the material. TAs offer weekly class review sessions as well as one-on-one question and answer hours. Those TAs who excel in the basic sciences and Part I NPLEX boards may be invited to teach NPLEX study sessions in order to better prepare underclass students for their NPLEX examinations. Tutoring assistance sessions are also offered to any SCNM student who could benefit from special assistance to master all aspects of naturopathic physician training. Besides the opportunity to practice *docere* - physician as teacher, another benefit for TAs is the opportunity to participate in a variety of medical education training. This training in medical education theory, philosophy, methods, and evaluation processes will enhance their educational skills and help prepare them for a possible career in higher education.

STUDENT BENEFITS AT THE MEDICAL CENTER

As a commitment to the health and well-being of our students, the 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 Medical Center.

STUDENT IDENTIFICATION CARDS

The Registrar's Office issues student identification cards upon matriculation. Students must carry/display identification cards at all times. Any SCNM official may ask to see the card at any time. The first identification card is provided free of charge. Replacement cards are available for a small fee. (*See Tuition and Fee Schedule, p. 15*).

COURTESY PHONES

Courtesy phones are available in the student lounge area at SCNM 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 SCNM office or Medical Center phones without permission. Only emergency messages will be taken by SCNM personnel and will be communicated appropriately and promptly, whenever possible.

Due to confidentiality requirements, students may not use SCNM fax machines. If students have a SCNM related need to transmit or receive a fax, they should first contact the Dean of Students.

HOUSING

While SCNM does not provide student housing, information on housing near campus may be obtained through school publications such as the SCNM Insider and the web-based MySCNM. Prospective and current students may advertise for roommates or housing on MySCNM.

CAMPUS SAFETY AND SECURITY

SCNM meets OSHA standards for a safe workplace in an institution of higher learning. Students are asked to report any unsafe conditions to the facilities office. If an unsafe condition is not resolved, the student should submit a written report to the Dean of Students. Any student injury must be reported to the Dean of Students and the facilities office immediately.

The Federal Campus Security Act of 1990 requires that an annual report on campus crime be made to members of the SCNM community on a regular basis. This report is available on the SCNM web site, www.scnm.edu, and 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 REQUIRING ACCOMMODATIONS BASED ON DISABILITY OR SPECIAL CIRCUMSTANCES

SCNM does not discriminate on the basis of disability, race, sex, ethnic background, place of origin, domestic status, age, religious or spiritual belief, sexual

orientation, or political affiliations. SCNM supports and adheres to the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973.

Should a student require advice, assistance, or information, he/she should contact the Dean of Students in as timely a manner as possible in order to ensure necessary provisions are put in place. Depending on the circumstances, students may be required to provide substantive evidence of a disability or need.

Students who are pregnant or become pregnant are to inform the Dean of Students or the Registrar immediately if taking any courses that expose them to chemicals that may be harmful to their unborn child. Accommodations will be made and an alternative lab experience will be provided. Students are required to complete the special accommodation form and return it to the Registrar before these accommodations can be made. Any questions can be directed to the Dean of Students.

If a student, after following SCNM procedures, believes SCNM is not fulfilling its responsibilities under the ADA or other acts, they should contact the Dean of Students for further advice and assistance. If the matter remains unresolved, the student may file a complaint with the director of human resources (compliance officer for the ADA and Rehabilitation Act).

LOBBYING/POLITICAL AND LEGISLATIVE ACTIVITY

The tax-exempt status of SCNM affects all staff and students. Tax-exempt organizations are limited in their political and legislative activity, even if the lobbying activity would contribute directly and substantially to meeting SCNM's tax-exempt purposes. No lobbying is allowed by any person on SCNM's premises or at any SCNM function. SCNM equipment, such as photocopiers, computers, and telephones, may not be used for lobbying activity without the express consent of the Dean of Students.

NEW STUDENT ORIENTATION

An orientation program is conducted for all new students. Attendance is mandatory for incoming students. Orientation is a three-day program, organized by the student affairs office, during which faculty and staff members review expectations, policies and learning opportunities with the new students.

SCNM ALUMNI ASSOCIATION

The Alumni Office fosters and promotes positive relations between SCNM and its alumni through social, informational, and educational benefits and opportunities. The Alumni Office is in the enrollment services department. For more information, please contact the Alumni Office: (480) 858-9100, alumni@scnm.edu.

STUDENT RIGHTS AND RESPONSIBILITIES

SCNM expects students, as future professional health care physicians, to conduct themselves in an honest, responsible, and professional manner in their educational pursuits at SCNM, as well as in clinical practice. Students are expected to be respectful to others in the SCNM community; respectful to patients and others in the wider community; and to demonstrate professional behavior, accountability, and high ethical standards.

SCNM is dedicated to providing an excellent educational environment for its students, with challenging and comprehensive coursework and clinical experience;

programs that enhance and assist students in their daily and professional lives; and practical, fair, and timely appeal and dispute procedures.

The following policies inform students of their rights and responsibilities and outline administrative procedures. More detailed information about student-related policies and procedures are included in the SCNM student handbook and the Medical Center student handbook. Additional copies of both student handbooks are available on the SCNM Intranet, at the front desk, or in the student affairs office.

SCNM reserves the right to update policies and procedures pertaining to student rights and responsibilities at any time. Students may be informed of policy changes via e-mail or official updates to the SCNM catalog, SCNM student handbook, or the Medical Center student handbook at any time. The most current version of these publications supersedes all previous versions.

PARKING POLICIES

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

SEXUAL HARASSMENT

SCNM has a zero tolerance for sexual harassment. Please see the SCNM student handbook for more information.

ANIMALS ON CAMPUS

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

SUBSTANCE ABUSE POLICY

Drug Free Schools and Community Act

On December 12, 1989, the United States federal government enacted the Drug-Free Schools and Communities Act Amendments of 1989. As outlined in the Act, an institution of higher education, as a condition for receiving federal funds under any federal program, must certify that it has adopted and implemented a program to prevent the unlawful possession, use, or distribution of illicit drugs by students and personnel. To comply with this law and further its commitment to support society's effort to eliminate drug and alcohol abuse, SCNM has adopted a drug-free school policy to supplement the code of student professional conduct (see the SCNM student handbook for the complete policy). If there is a conflict between SCNM's drug-free school policy and the code of student professional conduct, the code of student professional conduct will supersede the policy.

Students will be required to sign a form upon initial registration and will be provided copies through SCNM's web site and annual emails to ensure that they have read and are aware of the HEA Drug Policy. Effective fall 2006, all students, faculty, and staff are subject to random drug testing. Student eligibility for fed-

eral 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 Office of Financial Aid.

SCNM has a strict substance abuse policy, which is in compliance with United States Public Law 101-226. No student or employee is permitted on the SCNM 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 SCNM premises is a major offense and subject to dismissal or immediate suspension. Students seeking information or assistance regarding substance abuse should contact the Dean of Students for a confidential discussion. The specifics of the policy and procedures are available in the human resources department.

Drug-free Workplace Act and Drug-free Schools and Communities Act

In accordance with the Drug-Free Workplace Act of 1988 (Public Law 101690), SCNM, the Medical Center, and all affiliated patient care sites will not tolerate and will take action against the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance by any student conducting SCNM, Medical Center, or affiliated patient care site business.

SCNM, the Medical Center, and all affiliated patient care sites are committed to a policy* against the use of illegal drugs and the improper use of alcohol. In keeping with this commitment, SCNM and the Medical Center and all affiliated patient care sites strictly prohibits the use, transfer, possession, distribution, sale, or being under the influence of illegal drugs. All students agree to abide by the prohibition against unlawful manufacture, distribution, dispensation, possession, and use of controlled substances and/or alcohol at SCNM, the Medical Center, and all affiliated patient care site premises and to notify SCNM and the Medical Center of any criminal drug statute conviction for a violation no later than 5 days after such conviction. Within 10 days of our learning of the conviction, we will, in turn, report such convictions to the appropriate federal agency. If a student is convicted of a criminal drug violation, SCNM may require him/her to participate in a treatment program as part of the disciplinary process. If he/she agrees to accept the help, he/she must satisfactorily complete the agreed upon steps or risk being dismissed.

A student may be asked or required to submit to testing procedures designed to detect the presence of drugs and/or alcohol if he/she is acting in a manner that leads to a suspicion that the student either possesses, controls, or is under the influence of a drug and/or alcohol or has been involved in the use, possession, and/or sale of drugs or alcohol in areas controlled by SCNM, the Medical Center, and affiliated patient care sites. Any student who does not consent to and cooperate fully with any search and/or medical testing procedure shall be subject to disciplinary action up to and including dismissal.

A student may be asked or required to submit to testing procedures designed to detect the presence of drugs and/or alcohol if he or she is acting in a manner that leads to a suspicion that the student either possesses, controls, or is under the influence of a drug and/or alcohol or has been involved in the use, possession, and/or sale of drugs or alcohol in areas controlled by SCNM, the Medical Center, and affiliated patient care sites. Any student who does not consent to and cooperate fully with any search and/or medical testing procedure shall be subject to disciplinary action up to and including dismissal.

Students are encouraged to voluntarily seek treatment or counseling for drug, or alcohol addiction, or habituation, including, where relevant, a leave of absence in accordance with established leave of absence policies and procedures or a referral to any student assistance program recognized by SCNM. Students who have been disciplined under this policy and successfully complete a drug or alcohol rehabilitation program, upon presenting adequate documentation, will

be considered for re-admittance into the college. Students shall comply with all terms of a written aftercare program and shall submit to random drug or alcohol testing in accordance the provisions of this policy.

The Dean of Students, Human Resources Director and Executive Vice-President of Academic and Clinical Affairs should be notified immediately if there is suspicion of any student appearing to be under the influence of alcohol or illegal drugs. Immediately refer to the Drug-Free Workplace, Schools, and Communities policy before taking any action. In accordance with the Drug-Free Schools and Communities Act (Public Law 101-226), SCNM will distribute a drug-free prevention information packet to all students annually.

**Comprehensive Policy and Procedures regarding Drug-Free Workplace, Schools and Communities can be found in the SCNM student handbook.*

PERSONAL APPEARANCE AND PROFESSIONAL BEHAVIOR

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. Dress at the Medical Center is professional. For complete dress guidelines, please see the Medical Center student handbook.

STUDENT APPEALS AND GRIEVANCES

Any student may informally or formally lodge an appeal or grievance on any matter related to status as a student at SCNM. Complete information on the policies and procedures concerning appeals and grievance procedures is available in the SCNM student handbook. If the student complaint cannot be resolved after exhausting the institution's grievance procedure, the student may file a complaint with the Arizona State Board for Private Secondary Education. The student must contact this state board for further details:

1400 W. Washington
Room 260
Phoenix, AZ 85007
(602) 542-5709
azppse.state.as.us

PERSONAL PROPERTY

Neither the SCNM nor the Medical Center is 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. SCNM reserves the right to inspect without cause: desks, file cabinets, lockers, and personal property used on SCNM premises.

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 that SCNM officials think violates laws and ordinances will be reported to the proper authorities. Conduct that violates the provisions of SCNM 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 with the Dean of Students. Unprofessional conduct of naturopathic medical students, including practicing without a

license, will be reported to the State of Arizona Naturopathic Physicians Board of Medical Examiners, in compliance with Arizona statutes.

SCNM PROMOTIONAL PHOTOGRAPHS AND IMAGES

In order to promote SCNM and the Medical Center through various media, including television, the SCNM web site, magazines, journals, newspapers, and internally developed publications and advertisements, faculty, staff, and students may be photographed and/or video recorded. SCNM retains ownership and reserves the right to publish these photographs and videos.

VISITORS AND CHILDREN ON CAMPUS

Students may have visitors, including children, friends, and family members, on SNMC premises subject to the following limitations:

- All visitors must check in at the front desk upon each visit and receive a visitor badge.
- The student with whom they are visiting must accompany all visitors at all times.
- Visitors, including children, students or faculty, are only permitted in classroom areas with prior permission of the faculty member and all students in class. If one or more students or the faculty member objects, the visitor will not be allowed. If a visitor is allowed to enter the classroom and later becomes disruptive, they will immediately be required to leave the classroom.
- Students are not allowed to leave their children or minor visitors unattended in any part of SCNM.
- In the event an unattended minor is identified, they will be brought to the Dean of Students and Child Protective Services will be called.

At the Tempe campus, young children are never allowed in any of the classrooms or laboratories. At the Medical Center, young children are only allowed in the waiting area unless they are being seen as patients.

FOOD IN CLASSROOMS, LABORATORIES, 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 beverages are allowed in the classrooms, laboratories, auditorium, or in any patient-contact area, with the exception of bottled water.

President/Chief Executive Officer

Paul A. Mittman, ND, DHANP
Professor of Naturopathic Medicine
BA, State University of New York at Buffalo, 1978
ND, National College of Naturopathic Medicine, 1985

Executive Vice-President of Academic and Clinical Affairs

Christine L. Girard, ND
Associate Professor of Naturopathic Medicine
BA, Goddard College, 1989
ND, National College of Naturopathic Medicine, 1997
Integrative Medicine Residency, Griffin Hospital, 1998

Vice-President of Finance and Administration

Marion Davis, MPA
Master of Public Administration (MPA), University of Washington, 2005

Vice-President of Student Affairs

Melissa Winquist, BA, MA
BA, Arizona State University, 1991
MA, Arizona State University, 1994

Dean of Medical Education

Joni Olehausen, ND
BA, Biomedical Science, St. Cloud State University, 1988
ND, National College of Naturopathic Medicine, 1997
Residency, Tahoma Clinic, Kent, Washington, 1998

Faculty Senate President

Nick Buratovich, NMD
BS, Biology, Saint Mary's College, 1973
NMD, National College of Naturopathic Medicine, 1983

Board of Trustees

Chairman of the Board: Klee Bethel, MD
Vice Chair: Jonathan Feldman, JD
Secretary: Nick Buratovich, NMD
Treasurer: Douglas R. Hawes, BS, MBA

Craig Connors, BS
David Schwalm, Ph.D.
Jean Eisenach, BSN, MN
Lynn Getz, MSW
Marti Cizek, BS, MS
Paul Mittman, ND, DHANP
Robert Hopkins, BA, MBA

Faculty Member: Leslie Axelrod, ND, LAc
Student Member: Dianna Heath

Full-Time Faculty

Axelrod, Leslie: Professor of Naturopathic Medicine; BS, University of Massachusetts; ND, Bastyr University, 1987; Dipl. Ac, Southwest College of Naturopathic Medicine, 1998.

Baral, Matthew: Assistant Professor of Naturopathic Medicine; Department of Pediatrics; Medical Director, Hamilton Elementary School Clinic; BA, Castleton State College, 1994, ND, Bastyr University, 2000.

Buratovich, Nick: Professor of Naturopathic Medicine; Chair, Department of Physical Medicine; BS, Biology, Saint Mary's College, 1973; ND, National College of Naturopathic Medicine, 1983.

Campbell, Boyd: Professor of Anatomy; BS, University of Illinois, 1955; MS, University of Illinois, 1957; MD, University of Illinois, 1963; PhD, University of Illinois, 1965.

Crinnion, Walter: Professor of Naturopathic Medicine; Chair, Department of Environmental Medicine; BS, University of San Francisco, 1975; BTh, Way College of Biblical Research, 1978; ND, Bastyr University, 1982.

Deng, Yong: Professor of Acupuncture and Oriental Medicine; Chair, Department of Acupuncture and Oriental Medicine; Supervising Acupuncturist, Endowed Chair (Gero-Vita); MD (China), LAC, Chengdu College of Traditional Chinese Medicine, 1983.

Dye, John: Professor of Naturopathic Medicine; Chair, Department of Mind-Body Medicine; BA, Whittier College, 1974; ND, National College of Naturopathic Medicine, 1979.

Gaines, Patricia: Assistant Professor of Naturopathic Medicine; Chair, Department of Botanical Medicine; Biology and Pre-med, University of Anchorage, Alaska 1998; ND, Bastyr University, 2002.

Girard, Christine L: Associate Professor of Naturopathic Medicine; Executive Vice-President of Academic and Clinical Affairs; BA, Goddard College, 1989; ND, National College of Naturopathic Medicine, 1997; Integrative Medicine Residency, Griffin Hospital, 1998.

Hagen, David: Instructor of Anatomy and Physiology; BS, George Mason University, 1985; ND, Southwest College of Naturopathic Medicine, 2007.

Highfield, Janice: Associate Professor of Naturopathic Medicine; Chair, Department of Community Medicine; BS, Edinboro University, 1975; ND, Southwest College of Naturopathic Medicine, 2001.

Laherty, Richard: Associate Professor of Anatomy; Chair, Department of Basic Medical Sciences; BS, Biology, University of San Francisco, 1970; MS, Biology, University of San Francisco, 1973; PhD, Anatomy, University of California Berkeley, 1978.

Langland, Jeffrey: Associate Professor of Research; BS, Microbiology, Arizona State University, 1986; PhD, Microbiology, Arizona State University, 1990; joint appointment with Arizona State University.

Lasku, Arben: Associate Professor of Pathology and Laboratory Medicine; MD, University of Tirana, Albania, 1985; MS, Chemical Pathology, University of Tirana, Albania, 1988; PhD, 1994.

Martin, Pamela: Assistant Professor of Clinical Diagnostics; Chair, Department of Clinical Diagnostics; BS, West Texas State University, 1985; MD, Texas Tech Medical School, 1989.

Messer, Stephen: Dolis Professor of Homeopathy; Chair, Department of Homeopathy; BS, The City College of the City University of New York, 1973;

MEd, University of Pennsylvania, 1974; ND, National College of Naturopathic Medicine, 1979.

Mittman, Paul: Professor of Naturopathic Medicine; President and Chief Executive Officer; BA, State University of New York at Buffalo, 1978; ND, National College of Naturopathic Medicine, 1985.

Morstein, Mona: Associate Professor of Naturopathic Medicine; Chair, Department of Nutrition; BS, Arizona State University, 1984; ND, National College of Naturopathic Medicine, 1988.

Olehausen, Joni: Associate Professor of Naturopathic Medicine; Dean of Medical Education; BA, Biomedical Science, St. Cloud State University, 1988; ND, National College of Naturopathic Medicine, 1997; Residency, Tahoma Clinic, 1998.

Sorensen, Christine: Associate Professor of Naturopathic Medicine; Residency Director; RN, Arizona State University, 1980; ND, Southwest College of Naturopathic Medicine, 2001.

Stansfield, Bryan: Library Director; BA, University of Oregon, 1968; MA, University of Wisconsin-Madison, 1972; PhD, Comparative Literature, University of Wisconsin-Madison, 1975; MA, Library Science, University of Wisconsin-Madison, 1977.

Waters, Robert: Professor of Biochemistry, Genetics, and Statistics; Chair, Department of Research; BA, Carroll College of Montana, 1971; PhD, Biochemical Genetics, Montana State University, 1975.

Wollner, Debra: Associate Professor of Physiology and Pharmacology; BA, Revelle College, University of California, San Diego, 1982; PhD, University of Washington, 1987.

Adjunct Faculty

Aidun, Sima: BS, Azad University, 1997; ND, Southwest College of Naturopathic Medicine, 2003.

Alexander, Thomas: BS, Madras Christian College, 1987; MD, Kasturba Medical College, 1993.

Arneson, David: BS, University of Texas at El Paso; ND, Southwest College of Naturopathic Medicine, 2000.

Conner, Daniel: BS, Western Illinois University, 1973; MS, Western Illinois University, 1974; DC, Cleveland College of Chiropractic, 1980.

Cronin, Courtney: BS, University of Arizona, 2002; ND, Southwest College of Naturopathic Medicine, 2006.

Engard, Kim: BA, Rochester Institute of Technology, 1987; LRT (licensed respiratory therapist-AZ), NREMT (Licensed Paramedic-National); NMD, Southwest College of Naturopathic Medicine, 2004.

Ewald, Jaime: BS, Wright State University, 2000; ND, Southwest College of Naturopathic Medicine, 2006.

Ezrre, Barbara: BS, Arizona State University, 2001; ND, Southwest College of Naturopathic Medicine, 2006.

Ganora, Lisa: BA, Biology, University of North Carolina, 2001.

Glick, Ronald: DO, University of Osteopathic Medicine and Health Sciences, College of Osteopathic Medicine and Surgery, 1983.

Goetz, Chad: BA, New Mexico State University, 1999; ND, Southwest College of Naturopathic Medicine, 2004.

Goodman-Herrick, Pearlyn: ND, National College of Naturopathic Medicine, 1979; DHANP, 1988.

Harris, Myra: BA, New York University, 1967; MA, Arizona State University, 1974; JD, Arizona State University, 1976.

Hazel, Sara: BS, Eastern CT State University, 1993; ND, National College of Naturopathic Medicine, 1998.

Jacobson, Michael: BA, Boston University, 1990; DC, New York Chiropractic College, 2001.

Keiffer, Julie: BA, University of Michigan, 1993; ND, Southwest College of Naturopathic Medicine, 2001.

Kerievsky, Ross: BA, Binghamton University, 1991; Doctor of Chiropractic, Palmer College of Chiropractic, 1996; ND, Southwest College of Naturopathic Medicine, 2000.

Kirschner, Richard: BS, Human Biology, Kansas Newman College; ND, National College of Naturopathic Medicine, 1981.

Kupperman, Jami: BSc, Biochemistry, Middlebury College, 1996; ND, Southwest College of Naturopathic Medicine, 2003.

Kuruvilla, Abraham: MD, Trivandrum Medical College, 1969.

Lewis, Gregory: BA, Ripon College, 1989; MD, University of Wisconsin Medical School, 1992.

Makeeta, Quati: BS, University of Massachusetts; DC, Pennsylvania College of Chiropractic, 2001.

Marchese, Marianne: BS, Creighton University, 1990; ND, National College of Naturopathic Medicine, 2002.

McHenry, Schuyler: BS, Ithaca College, 2002; ND, Southwest College of Naturopathic Medicine, 2006.

Matesz, Donald A: MA, University of Toledo, Ohio, 1988; Diploma in Comprehensive Nutrition, American Academy of Nutrition, 1995; MS, Oriental Medicine, Phoenix Institute of Herbal Medicine and Acupuncture, 2006.

Messer, Janet: BA, Antioch College, 1974; Med, Wichita State University, 1979; PhD, Counseling Psychology, University of Oregon, 1991.

Mike, Rosemarie: VN, Glendale Community College, 1987; BS, Francisco Morazan Institute, 1988; LPN, Glendale Community College, 2001.

Nevels, Jennifer: BS, University of Arizona, 1998; ND, Southwest College of Naturopathic Medicine, 2003.

Porter, Jason: BS, Arizona State University, 1998; ND Southwest College of Naturopathic Medicine, 2003.

Raymer, Katherine: BA, University of Louisville College of Arts and Sciences, 1980; MD, University of Louisville School of Medicine, 1984; ND, Southwest College of Naturopathic Medicine, 2005.

Riley, David: BA, UNC-Chapel Hill, 1976; MD University of Utah, Salt Lake City, UT, 1983.

Romero, Lynn: BS, Missouri Western State College, 1982; Diploma Western Herbalism, Southwest Institute of Healing Arts, 2006.

Sanchez, Joann: BS, University of Rhode Island, 1980; Certification, National Institute of Nutritional Education, 1989; Iridology Certification, Institute for Natural Therapeutics, 1996

Schwaiger, Timothy: BA, Grand Canyon University, 1977; MA, Webster University, 1987; ND, Southwest College of Naturopathic Medicine, 1999.

Sensenig, James: BS, National College of Naturopathic Medicine, 1976; ND, National College of Naturopathic Medicine, 1978.

Sherlin, Leslie: BS, University of Tennessee, 2000; MS, Psychology, Capella University, 2003; PhD, Psychology, Capella University, 2008.

Stewart, Grace: BS, University of Texas, 1979; MD, Texas Tech University School of Medicine, 1983.

Swan, Farra: BS, Tufts University, 1969; MS, Tufts University, 1971; ND, Bastyr University, 1982.

Tamburri, Phranq: BS, University of Pennsylvania; ND, Southwest College of Naturopathic Medicine, 2002.

Udell, Eric: BA, University of Texas, Austin, 1989; MAEd, University of Houston, 1977; ND, Southwest College of Naturopathic Medicine, 2002.

Underwood, Lewis D: BS, Bastyr University, 1999; MS, Acupuncture and Oriental Medicine, Bastyr University, 2001; ND, Southwest College of Naturopathic Medicine, 2005.

Van der Veer, Karen: BA, James Madison University, 1993; ND, Southwest College of Naturopathic Medicine, 1998.

Volk, Kimberly: BA, Psychology, University of Buffalo; ND, Southwest College of Naturopathic Medicine, 2006.

Weisbuch, Jonathan: BS, Massachusetts Institute of Technology, 1959; MD, New York University School of Medicine, 1963; MS, Public Health, the Harvard School of Public Health, 1967.

Williams, Susan: BA, University of Iowa, 1988; ND Southwest College of Naturopathic Medicine, 2001.

Wyckoff, Sarah: MA, Northern Arizona University, 2006.

Yarnell, Eric L: BS, Bastyr University, 1994; ND, Bastyr University, 1996.

Adjunct Research Faculty

Bell, Iris: BA, Harvard University, 1972; MD, Stanford University, 1980; PhD, Stanford University, 1997.

Honorary Faculty

Bishop, Nita E.: Professional Training in Therapeutic Herbalism, 1995; ND, Bastyr University, 2002.

Bradstreet, James J: BA, University of South Florida, 1976; MD, University of South Florida, 1979; Residency in Aerospace Medicine, 1981.

Canvasser, Bruce: ND, National College of Naturopathic Medicine, 1977.

Nayeri, Babak: ND, Anglo-American Institute, UK, 1987; MCJA, Oklahoma City University, 1985.

Fellowship

Mitchell, Jessica: Pediatric Fellow; BS, Binghamton University; ND, Southwest College of Naturopathic Medicine, 2005.

Tran, Jessica: Environmental Medicine Fellow; BS, University of California; ND, Bastyr University, 2005.

Internship

Geyer, MaryK: BS, State University of New York at New Paltz, 2002; ND, Southwest College of Naturopathic Medicine, 2007.

Ham, Natalie: BS, Arizona State University, 2002; ND, Southwest College of Naturopathic Medicine, 2007.

Johnson, Shane: BS, University of Calgary, Canada, 2003; ND, Bastyr University, 2007.

Taylor, Nicole: BS, Northern Arizona University, 2001; ND, Southwest College of Naturopathic Medicine, 2007.

Turner, Leila: BA, University of California, 2004; ND, Southwest College of Naturopathic Medicine, 2007

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NOTES



DISCOVER *The Physician
Within You.*

CHANGE *The World
Around You.*



Hollyhock
(*Alcea rosea*)

Medicinal Properties

The roots or leaves are the medicinal parts of the plant. Powdered, it can be used as a poultice to treat stasis ulcers or obstinate skin infections. If prepared as a cold infusion, it can be used to treat gastric ulcers. Its actions are anti-inflammatory and demulcent.