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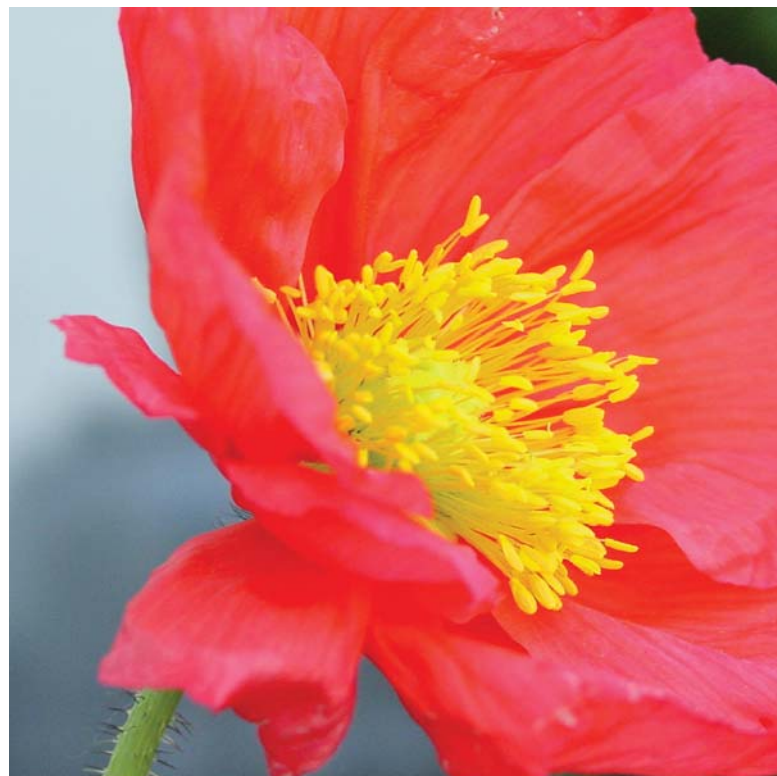
2006

NCNM50

NATIONAL COLLEGE OF
NATURAL MEDICINE

CELEBRATING FIFTY YEARS *of* NATURAL MEDICINE

2006–2007 & 2007–2008 Catalog

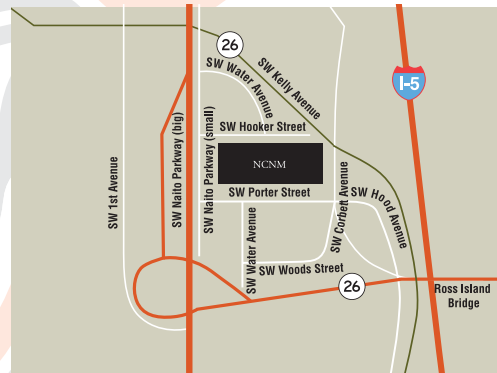


NCNM

National College of Natural Medicine
2006–2007 & 2007–2008 Catalog

Ross Island Campus

049 SW Porter Street
Portland, OR 97201
503-552-1555
503-499-4343
www.ncnm.edu

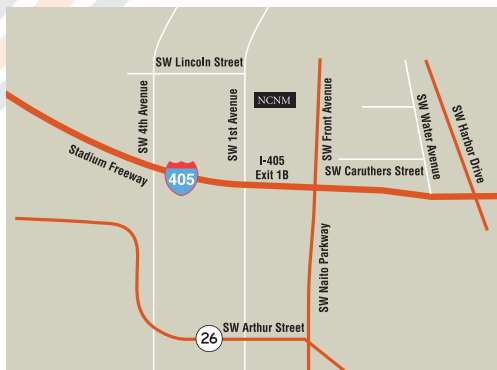


Equal Opportunity Statement

NCNM, in compliance with state and federal laws and regulations, does not discriminate on the basis of race, color, national origin, religion, sex, sexual orientation, marital status, age, disability, or veteran's status in any of its policies, procedures, or practices. This nondiscrimination policy covers admission and access to, and treatment and employment in, College programs and activities, including but not limited to academic admissions, financial aid, educational services, and employment.

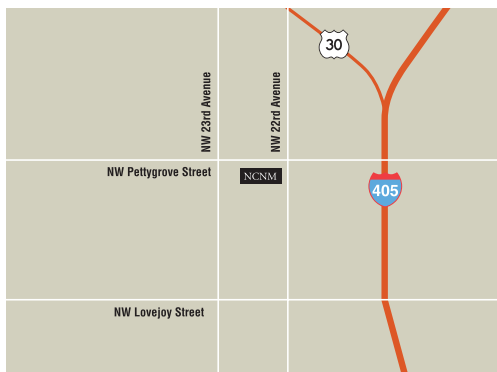
Natural Health Clinic

2220 SW First Avenue
Portland, OR 97201
503-552-1551



Pettygrove Classical Chinese Medicine Clinic

2232 NW Pettygrove Street
Portland, OR 97210
503-552-1552



Authorization

NCNM is a nonprofit corporation authorized by the State of Oregon to offer and confer the Doctor of Naturopathic Medicine (ND) degree and the Master of Science in Oriental Medicine (MSOM) degree described herein, following a determination that state academic standards will be satisfied under [OAR 583-030](#). Inquiries concerning the standards or school compliance may be directed to the [Office of Degree Authorization](#) (ODA), 1500 Valley River Drive, Suite 100, Eugene, OR 97401.

NCNM complies with the Equal Opportunity Act of 1965, American Disabilities Act of 1990, and Title IV of the Higher Education Act as federally re-authorized in 1998. These acts and amendments prohibit discrimination on the basis of age, sex, race, national or ethnic origin, religion, or disability. NCNM also adheres to guidelines set forth by the Family Educational Rights and Privacy Act of 1974, which pertains to limitations and rights of access to student records. To ensure compliance with these requirements, NCNM enacts policies and procedures, and articulates protocols in this catalog, the student handbook, departmental policy and procedural guides, and employee manuals.

Every effort has been made to ensure the catalog's accuracy of information. NCNM regularly reviews its policies and programs to improve the College and the quality of education provided. Changes to the catalog can be made without prior notice. This catalog is not a contract between NCNM and current or prospective students. The catalog is available on CD at no cost through the Office of Admissions or in a viewable and downloadable .pdf format from the Internet at www.ncnm.edu. Paper copies are available by request.



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Mission Statement

The mission statement of National College of Natural Medicine (NCNM) is to educate and train physicians and practitioners in the art and science of natural medicine.

President's Welcome Letter

Dear Student,

It is a pleasure to introduce and welcome you to the National College of Natural Medicine (NCNM), the flagship institution of naturopathic medicine in the nation. NCNM is geographically situated in the environmentally friendly city of [Portland, Oregon](#), the beautiful City of Roses, located in the majestic Pacific Northwest. Portland is one of three communities that has met the air quality standards of the Kyoto Protocol. NCNM is situated in the shadow of [Mount Hood](#), Oregon's highest peak, allowing unlimited outdoor activities less than 40 minutes away from our Ross Island campus.

NCNM is celebrating its Golden Anniversary (1956-2006) as the oldest institution of natural medicine. In 2005, NCNM earned "full institutional accreditation" from the [Northwest Commission on Colleges and Universities](#) and is a member of the prestigious [Oregon Independent Colleges Association \(OICA\)](#), a consortium of more than 20 fully accredited institutions in the State of Oregon.

The Doctor of Naturopathic Medicine program is guided by six fundamental principles of healing (see [Principles of Naturopathic Medicine, p. 26](#)). Our ND program has again been re-accredited in 2006 by the [Council on Naturopathic Medical Education \(CNME\)](#), the professional accrediting council and extension of the [U.S. Department of Education](#). Nationally recognized faculty teach our didactic and clinical curriculum providing a high quality educational experience for our medical students.

Our program in classical Chinese medicine awards the degree Master of Science in Oriental Medicine (MSOM). This unique four year program has met or exceeds the rigorous requirements of the [Accreditation Commission on Acupuncture and Oriental Medicine \(ACAOM\)](#), the accrediting commission for the profession.

I encourage you to find out more about NCNM. The time is now. The future is now. Check out our NCNM website for more information about our programs, www.ncnm.edu.

With every good wish.

Respectfully,

William "Bill" J. Keppler, Ph.D.
President of NCNM and Professor of Public Health

Letter from the Provost

Dear Prospective Student,

You have been drawn to investigate National College of Natural Medicine because you are interested in a career in natural healing; because you share the increasingly common view that medicine should treat the whole person; and because you understand that it can do so in gentle, effective ways that work with the body's innate healing potential to promote optimum health. You have heard the call to serve humanity as a healer.

NCNM's programs in naturopathic medicine and classical Chinese medicine blend ancient healing wisdom with cutting-edge science in challenging curricula, preparing practitioners to meet the needs of today's patients: patients who are increasingly seeking care from those who recognize that maintaining physical, mental, and spiritual health is more important than treating disease.

NCNM is not for everyone, but if you are committed to a lifetime of service to your community through the practice of natural medicine and can meet our rigorous standards, we offer a path to your future characterized by excellence in both classroom and clinical education. Please consider joining our community of exceptional, dedicated healers as we pursue our mission: "To educate and train physicians and practitioners in the art and science of natural medicine."

You have chosen to embark on a stimulating journey toward a rewarding career serving humanity through natural medicine, and I congratulate you for that choice. You could not enter this field at a better time or place. The demand for natural healers is high and ever increasing; NCNM has just celebrated the Golden Anniversary of its founding, and for those who qualify, we offer a vital role in the future of medicine.

Please call me directly if I may assist in your quest or be of service in any way.

Sincerely,

David R. Odiorne, MS, DC
Provost and Executive Vice President for Academic Affairs
503-552-1703





College and Program Accreditation

NCNM confers the Doctor of Naturopathic Medicine (ND) degree and Master of Science in Oriental Medicine (MSOM) degree as approved by the State of Oregon through its Office of Degree Authorization (ODA). Approval is granted to institutions that satisfy state academic standards under Oregon Administrative Rule 583-030.

Oregon Office of Degree Authorization
1500 Valley River Drive, Suite 100
Eugene, OR 97401
541-687-7452
www.osac.state.or.us/oda

NCNM is accredited at both the masters and professional doctoral degree levels with the Northwest Commission on Colleges and Universities (NWCCU). The NWCCU is one of seven U.S. regional accrediting bodies authorized and recognized by the Secretary of Education.

Northwest Commission on Colleges and Universities
8060 165th Avenue NE, Suite 100
Redmond, WA 98052
425-558-4224
www.nwccu.org

The degree program in naturopathic medicine is accredited by the Council on Naturopathic Medical Education (CNME), a specialized accrediting agency.

Council on Naturopathic Medical Education
P.O. Box 178
Great Barrington, MA 01230
413-528-8877
www.cnme.org

NCNM's MSOM program is accredited by the Accreditation Commission for Acupuncture and Oriental Medicine (ACAOM). ACAOM is a specialized accrediting agency for the approval of programs preparing acupuncture and Oriental medicine practitioners.

Accreditation Commission for Acupuncture and Oriental Medicine
Maryland Trade Center, #3
7501 Greenbelt Center Drive,
Suite 820
Greenbelt, MD 20770
301-313-0855
www.acaom.org

Other sources of information available to prospective students about NCNM include the viewbook, the Student-for-a-Day Program, campus visits, and the web site at www.ncnm.edu. For further information regarding NCNM programs, please contact:

Office of Admissions
049 SW Porter Street
Portland, OR 97201
503-552-1660
admissions@ncnm.edu
www.ncnm.edu

Academic Calendar 2006–2007

Summer quarter begins	6/26/2006	Winter quarter begins	1/2/2007
Commencement, campus closed 1/2 day	6/26/2006	Last day to add or change sections	1/12/2007
July 4, campus closed	7/4/2006	Last day to pay tuition & fees	1/12/2007
Labor Day, campus closed	9/4/2006	Martin Luther King Day observed, campus closed	1/12/2007
Summer quarter ends	9/9/2006	Late payment fee assessed	1/16/2007
New student orientation	8/30 - 9/1/2006	Last day to drop classes	1/26/2007
Fall quarter begins	9/11/2006	Makeup for New Years Day	3/12/2007
Last day to add or change sections	9/22/2006	Makeup for Martin Luther King Day	3/16/2007
Last day to pay tuition & fees	9/22/2006	Practical exam/makeup week	3/12 - 16/2007
Late payment fee assessed	9/25/2006	Finals week	3/19 - 23/2007
Last day to drop classes	10/6/2006	Winter quarter ends	3/24/2007
Veterans Day observed, campus closed	11/10/2006	Spring break, no classes	3/26 - 31/2007
Employee inservice training days	11/20 - 22/2006	Clinic holiday IV	3/26 - 31/2007
Thanksgiving break, no classes	11/20 - 25/2006	Spring quarter begins	4/2/2007
Clinic holiday I	11/20 - 22/2006	Last day to add or change sections	4/13/2007
Thanksgiving Day, campus closed	11/23 - 25/2006	Last day to pay tuition & fees	4/16/2007
Practical exam week	11/27 - 30/2006	Late payment fee assessed	4/17/2007
Makeup for Veterans Day	12/1/2006	Last day to drop classes	4/27/2007
Finals week	12/4 - 12/8/2006	Planning Day, 8-12 all attend	5/11/2007
Fall quarter ends	12/9/2006	Memorial Day, campus closed	5/28/2007
Winter break, no classes	12/11/2006 - 1/1/2007	Makeup for Memorial Day	6/11/2007
Clinic holiday II	12/11 - 16/2006	Makeup for Planning Day	6/15/2007
Clinic holiday III	12/18 - 23/2006	Practical exam/makeup week	6/12 - 15/2007
Winter Holiday, campus closed	12/22/2006 - 1/1/2007	Finals week	6/18 - 22/2007
		Spring quarter ends	6/23/2007
		Commencement	6/25/2007



Academic Calendar 2007–2008

Summer quarter begins	6/25/2007	Winter quarter begins	1/7/2008
Commencement, campus closed 1/2 day	6/25/2007	Last day to add or change sections	1/18/2008
July 4, campus closed	7/4/2007	Last day to pay tuition & fees	1/18/2008
Labor Day, campus closed	9/3/2007	Martin Luther King Day, campus closed	1/21/2008
Summer quarter ends	9/9/2007	Late payment fee assessed	1/22/2008
New student orientation	8/29-31/2007	Last day to drop classes	2/1/2008
Fall quarter begins	9/10/2007	Planning Day, all attend 8-12 (no classes)	2/1/2008
Last day to add or change sections	9/21/2007	Makeup for Martin Luther King Day	3/17/2008
Last day to pay tuition & fees	9/21/2007	Practical exam/makeup week	3/18 - 21/2008
Late payment fee assessed	9/24/2007	Finals week	3/24-28/2008
Last day to drop classes	10/5/2007	Winter quarter ends	3/29/2008
Veterans Day, campus closed	11/12/2007	Spring break	3/31 - 4/5/2008
Employee inservice training days	11/19 - 21/2007	Clinic holiday III	3/31 - 4/5/2008
Thanksgiving break, no classes	11/19 - 23/2007	Spring quarter begins	4/7/2008
Thanksgiving Day, campus closed	11/22 - 24/2007	Last day to add or change sections	4/18/2008
Makeup for Veterans Day	11/26/2007	Last day to pay tuition & fees	4/18/2008
Practical exam/makeup week	11/26 - 30/2007	Late payment fee assessed	4/21/2008
Finals week	12/3 - 7/2007	Last day to drop classes	5/2/2008
Fall quarter ends	12/8/2007	Memorial Day, campus closed	5/26/2008
Winter break, no classes	12/10 - 1/6/2007	Make up for Memorial Day	6/16/2008
Clinic holiday I	12/17 - 21/2007	Practical exam/makeup week	6/17 - 20/2008
Clinic holiday II	12/31/2007-1/5/2008	Finals week	6/23 - 27/2008
Winter holiday, campus closed	12/22 - 30/2007	Spring quarter ends	6/28/2008
New Years Day, campus closed	1/1/2008	Commencement	6/30/2008



Facilities

The Ross Island Campus Academic Center

Located one mile south of downtown Portland on the west side of the [Willamette River](#), the NCNM Ross Island campus houses most college academic and administrative functions. The river and two snow-capped peaks, [Mount Hood](#) and [Mount St. Helens](#), enhance the views out many windows on the north and east sides of the historic three-story, red-brick building. The 60,000 square foot main campus houses classrooms, lecture halls, laboratories, the library, and the bookstore. Our transportation plan includes parking for most students, employees, and campus visitors, as well as secure facilities for our many bike commuters. NCNM has achieved a spot on the national list of Best Workplaces for commuters. The campus neighborhood character is low-crime and urban diverse, with a combination of lovely residential homes, educational facilities, and commercial properties.

The Broadcast Building

Located adjacent to the Ross Island Campus, the red-brick Broadcast Building houses the offices for the [Helfgott Research Institute](#) and NCNM admissions and executive offices. The Broadcast Building also houses archival and facility storage for the campus.

NCNM Natural Health Center Clinics

Natural Health Center

The primary naturopathic medicine teaching clinic is located at 2220 SW

First Avenue, within walking distance of the Ross Island campus. This downtown clinic serves the Portland community with a full range of primary care services. It features 30,000 square feet of consultation, examination, and treatment rooms. In addition to general medicine, clinic services include hydrotherapy, physical manipulative therapy and massage, colonic irrigation, gynecology, classical Chinese medicine, and minor surgery. The NCNM Medicinary is an on-site natural products dispensary and herbal formulary that is open to the public. The Natural Health Center clinic also features a state-licensed laboratory that is available to NCNM physicians, as well as physicians in the community.

Pettygrove Classical Chinese Medicine Clinic

The classical Chinese medicine teaching clinic is located at 2232 NW Pettygrove Street. This clinic is situated in a densely populated neighborhood near a hospital and a high concentration of medical offices. An ideal environment for practicing classical Chinese medicine, the clinic offers treatment and conference rooms, an extensive Chinese medicine formulary and dispensary, and a workshop/teaching space where curriculum and community classes are offered.

NCNM Community Clinics Program

The NCNM community clinics program was established in the early 1990s, with the mission to provide primary health care services to traditionally under served people in the community and provide an

enhanced clinical education environment for medical students. The community clinics program, in collaboration with partner organizations' facilities, offers low-cost family health care to thousands of uninsured and under insured patients at a dozen community clinics in the greater Portland metropolitan area annually. Over half of our total patient visits per year are provided at community clinics. As a safety net clinic member of the [Coalition of Community Health Clinics](#), NCNM currently serves a culturally and ethnically diverse range of patients at its community clinics, in partnership with a variety of county and community service agencies.

Looking to the Future: College Name Change

In reflecting on the College's first 50 years of development and expansion, the NCNM Board of Directors Master Planning Committee initiated a name change for the College. On July 1, 2006, National College of Naturopathic Medicine was officially changed to National College of Natural Medicine, retaining the commonly used NCNM acronym. The new name now more accurately represents the multi-degree offerings, naturopathic medicine and classical Chinese medicine, as well as makes room for future program additions. Campus facilities will continue to grow and improve along with the College's ongoing success. Our priorities include providing an environment with clean air, water, natural light, outdoor green space, and minimal use of toxic building materials.

Facilities, cont.

Library

NCNM's library occupies approximately 4,500 square feet on the first floor of the Ross Island campus and contains naturopathic and Chinese medicine collections. During the academic year, the library is open Monday through Saturday.

General Circulating Collection

The general collection includes both classic and modern works of natural and Chinese medicine, as well as current books from the biomedical sciences. Overall the collection consists of over 13,000 volumes of books, videos (VHS and DVD), audio cassettes, and CDs. The periodicals collection consists of several hundred paper and online subscriptions on naturopathic medicine, nutrition, herbal medicine, homeopathy, Chinese medicine, complementary therapies, and the biomedical sciences. The library shares a web-based catalog with Oregon Health and Science University.

Reciprocal Lending Relationships

Library materials are available to students, faculty, and staff of NCNM, Oregon Health and Science University (OHSU), Western States Chiropractic College (WSCC), Oregon College of Oriental Medicine (OCOM), Linfield College, Portland campus, and Birthingway College of Midwifery. With a current NCNM identification card, NCNM students, faculty, and staff may check out materials at these other institutions.

Rare book room

A climate-controlled rare book room houses more than 1,500 bound volumes,

including materials from the estate of Benedict Lust. Dr. Lust was the founder of the first United States school of naturopathic medicine at the turn of the twentieth century and publisher of numerous naturopathic books and journals. In addition, the rare book room includes a significant homeopathy collection, anatomical models, and antique medical equipment.

Special Collections

The library also maintains a reference collection, a reserve collection of required and recommended texts, an audiovisual collection that includes tapes of lectures and presentations by well-known guest speakers, and book collections at NCNM clinics. Reference books, rare books, clinic books, and journals do not circulate.



Electronic Resources

More recently the library has been building an extensive electronic resource collection, including MDConsult, First Consult, CHANT, Natural Standard, and other full-text databases. The library also maintains computers for student use. These computers are connected to the Internet and provide access to word processing, nutrition, homeopathy, and other specialty software programs.

Bookstore

We service the NCNM community by supplying students with the educational tools needed to complete their programs successfully, by offering doctors the resources needed to keep their medical libraries current, and by providing patients with books that complement their treatment plans. Along with providing course required and recommended texts and supplies, we maintain a unique selection of natural health books. Additionally, we carry school supplies, medical equipment, natural remedies, healthy snacks and beverages, logo merchandise, and sundries. In support of our students' richly diverse backgrounds, skills, and creative accomplishments, the bookstore promotes and sells their music, art, and health care products.

Regular hours are 9:00 a.m. to 5:00 p.m., Monday through Friday. Online ordering is available at www.ncnm.edu/bookstore. For more information, contact Kate Williams, MA, director of Retail Operations, at 503-552-1531 or kwilliams@ncnm.edu.

Department of Advancement and Public Relations

The purpose of the Department of Advancement and Public Relations is to support NCNM's growth by increasing marketing and public awareness of the College and by helping the College find resources to advance its mission. In support of the mission, the department will network with alumni, community and national leaders to foster relationships in business, government, health care, and philanthropy with like-minded individuals and organizations.

Scientific Research at NCNM

Research is vital to the success that naturopathic and Oriental medicine will have in resolving the current health care crisis. NCNM is committed to fully integrating research with existing academic and clinical activities.

NCNM faculty members are participating in several independent research studies, projects with other naturopathic schools, NIH funded collaborations with Oregon Health and Science University, as well as in a recently funded National Center for Complementary and Alternative Medicine (NCCAM) research grant.

While not all physicians aspire to become researchers, our goal is to train all graduating physicians in the critical analysis of research studies in order that they may accurately evaluate the quality of studies published in peer-reviewed journals. In addition, practice in case analysis enables graduates to investigate



therapeutic results in their practices and to share these results through publication.

For those interested in being directly involved in research, there are many opportunities to participate in studies.

Helfgott Research Institute

The Helfgott Research Institute is advancing the science of natural medicine. Our mission is to conduct high quality research on the art and science of healing. Together our scientists, specializing in the fields of naturopathic medicine, Chinese medicine, acupuncture, immunology, and nutrition apply their expertise to the study of natural medicine.

Established in June 2003, the Helfgott Research Institute (Helfgott) has a state-of-the-art basic science laboratory

and the resources to advance clinical research in naturopathic medicine, Chinese medicine, and energy medicine. Helfgott has recruited several leading investigators to head research projects and to provide mentorship for NCNM faculty, students and residents who wish to conduct clinical studies. Helfgott is well positioned to be a leader in the study of natural therapies. Faculty members are participating currently in several independent research studies, in projects with other naturopathic schools, in NIH funded collaborations with Oregon Health and Science University, as well as in a recently funded NCCAM research grant.

To view a current list of faculty and student projects, please visit the Helfgott Research Institute web site at www.helfgott.org.



Life in Portland, Oregon

A haven for those seeking well-being, community, culture, and an environment steeped in natural beauty, Portland, Oregon, is an ideal place for studying natural medicine.

Mountains and Gorge

Situated in the northernmost part of the Willamette Valley, Portland is nestled between the Cascade mountain range to the east and the Coast range to the west. Prominent peaks, [Mount Hood](#), [Mount St. Helens](#), [Mount Adams](#) and even [Mount Rainier](#) can be seen on clear days. Mount Hood is a playground for outdoor enthusiasts offering hiking trails, ski areas, and campgrounds. To the northeast, and thirty minutes from downtown, is the Columbia River Gorge National Scenic Area. The Scenic Highway provides access to hiking trails, river beaches, inspiring views, and dramatic waterfalls—the 620-foot Multnomah Falls is the second highest year-round waterfall in the nation.

Pacific Coast

The Pacific coast, with its rugged rocky headlands and lush forests, is a ninety-minute drive from Portland. Sprinkled along 300 miles of public beach, coastal communities are small and inviting, providing a treasure of local art, food, and lodging.

Wine Country

The valley farmlands, which extend into southern Oregon, are home to a growing number of organic farms and orchards, flower fields, and dozens of small, internationally acclaimed wineries. Oregon provides ideal conditions for pinot noir grapes and produces spectacular wines.

The City

Portland is affectionately known as the City of Roses and City of Bridges. The Portland metropolitan area is home to nearly two million residents. Divided by the Willamette River and bordered to the north by the Columbia River, Portland abounds in parks (10 percent of all city land) including 5,100-acre Forest Park. The city offers an array of restaurants from gourmet, to bistros, to organic and vegetarian. Coffee houses, clubs, galleries, and a wide range of event venues support a rich and diverse nightlife. Many varied residential areas for renters or homeowners surround the NCNM campus allowing easy access by foot, bike, or public transportation.

Climate

Known for its extended, bloom-filled spring, the Portland area enjoys a mild turn of the four seasons. While it has a reputation for rain—on average 37 inches a year—other large cities, such as Atlanta, get more rainfall. Summer temperatures average in the mid-70s with little precipitation. A benefit of our mountain rain is an abundant water supply—among the purest in the nation.

Culture: Arts and Entertainment

The Portland area offers cultural events for all facets of its community. The largest and most famous of these is the Portland Rose Festival, approaching its 100th Anniversary. Held each year in June, it lasts 25 days and features more than 70 events, the highlight being the Grand Floral Parade. Other festivals include The Bite, A Taste of Portland (featuring Portland's premier food, wine tasting, and musical entertainment), Fiesta Cinco de Mayo, and the Oregon Brewers Festival where breweries from Oregon and across the country bring their best beers.

Attractions

Perennial attractions include the acclaimed Oregon Zoo, Portland Art Museum, Oregon Museum of Science and Industry (OMSI), Japanese Garden, Classical Chinese Garden, Portland's Saturday Market (the largest weekend open-air crafts market in the nation), and Powell's City of Books (one of the largest bookstores in the nation).

Arts

The Portland arts community is diverse and vibrantly creative. Live-music lovers can find virtually any musical genre they desire being played somewhere, from local pubs to the Arlene Schnitzer Concert Hall. Regular performing groups include the Oregon Symphony Orchestra, Portland Opera, West Coast Chamber Orchestra, Portland Youth Philharmonic, and the Oregon Ballet Theater. While there are many small theaters, the Portland Center for the Performing Arts attracts large nationally acclaimed productions. As well, the city supports more than 70 art galleries and 10 museums. Area galleries support evening art walks with new monthly exhibits.

Sports

Sports enthusiasts have a variety of teams to watch. The NBA's Trail Blazers and ASL (American Soccer League) Timbers are Portland's two professional teams. As well, there is a minor league baseball team and a junior hockey team. Yearly men and women's professional golf tournaments are also hosted.

Public Transportation

The Portland metro area leads the country in light-rail development and boasts the best transit system in the country. MAX (Metropolitan Area Express) light-rail trains link downtown Portland with outlying areas and the Portland International Airport. TriMet, Portland's public transportation provider, is committed to decreasing cars on the road and helping to preserve the region's environmental quality and quality of life in general.

Home of High Tech

Named one of the most "wired" regions in the country, Portland has more than 1,700 high tech companies employing approximately 64,500 workers in the metropolitan area. Electronic products account for more than 50% of the state's total exports.

Helpful Web Sites for Relocation

www.oregonian.com

The Oregonian (daily newspaper)

www.traveloregon.com

Travel Oregon

www.pova.com

Portland Oregon Visitors Association

www.oregonlive.com

Oregon Live

www.multcolib.org

Multnomah County Library

www.craigslist.com

Craig's List



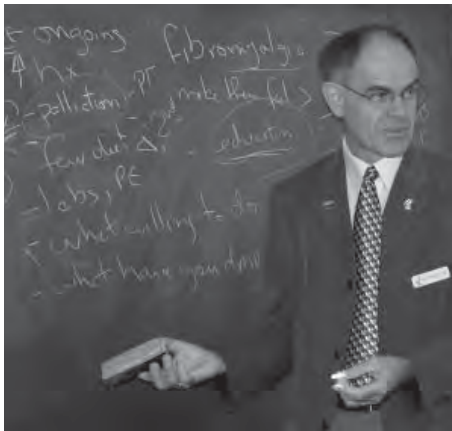
Admissions – ND, MSOM, ND/MSOM Dual Degree

The admissions requirements for the ND and MSOM professional programs are different from one another. Admissions cycles also vary for each program; please see details below.

Prerequisites

All candidates must possess a bachelor's degree or higher from a regionally accredited college or university, or the equivalent (as determined by NCNM) from an institution outside the United States.

Historically, many great physicians have had skills and creative abilities reaching far beyond the scope of science and medicine. Well-rounded people with backgrounds in the humanities, arts, and social sciences are often excellent candidates for medical professions. At NCNM, we value and encourage a broad range of life experiences, along with the development of multiple talents. There is no advantage to holding a BS rather than a BA, as long as you have completed the program's prerequisites.



Criteria for selecting applicants for admission to NCNM's programs include motivation, intellect, and character essential to becoming a physician or practitioner of natural medicine. Applicants are considered on the basis of academic performance, maturity, and demonstrated humanitarian qualities. Work and/or volunteer experience in health care, coupled with an awareness of the field of natural medicine, is strongly recommended. The following coursework is the minimum required preparation for the study of naturopathic or classical Chinese medicine. Applicants may apply with coursework still in progress; however, prerequisites must be completed prior to matriculation.

Note: If in doubt about a specific prerequisite, contact the Office of Admissions before taking the course.

Overall Preparation

No specific major is advised but a bachelor's degree is required. In addition to a strong preparation in the sciences, a broad background in the humanities and liberal arts is encouraged. Prerequisite coursework is used to determine a student's preparation for the ND or MSOM program. Credit will only be given for prerequisite coursework earning a C or better.

Prerequisites for the ND Program

College Mathematics1 course
Algebra or Calculus
General Chemistry with lab
(science-major level) 2 courses
Organic Chemistry
(science-major level) 2 courses
Must include carbonyl compounds
General Biology with lab
(science-major level) 2 courses
Must cover concepts in cellular biology, genetics, and botany
Physics1 course
Many institutions do not cover all required concepts in one course; required concepts include mechanics, optics, electricity, and magnetism.
Course must be math based.
Social Science 2 courses
At least one course must be in human psychology.
Humanities 2 courses
At least one course must be English composition.

Strongly Recommended Courses

- Biochemistry
- Cellular Biology
- Anatomy
- Physiology
- Statistics
- Business and/or Marketing



Other Suggested Courses

- Biomedical Ethics
- Philosophy of Science
- Public Speaking
- Microbiology
- Immunology
- Public Health

Age of Course

Prerequisite courses taken more than seven years prior to matriculation into the program are subject to review. Additional coursework may be required.

Prerequisites for the MSOM Program

General Chemistry	1 course
General Biology	1 course
Social Science and Humanities ..	2 courses
Selected from the disciplines of art, music, literature, philosophy and psychology	
Physics	1 course

Strongly Recommended Courses

- Systems Science
- Mythology
- Quantum Physics
- Philosophy of Science
- Biochemistry
- Cellular Biology
- Chinese Language

Age of Course

Prerequisite courses taken more than seven years prior to matriculation into the program are subject to review. Additional coursework may be required.

Credit for Life Experience

NCNM has no provision for awarding credit for life experience.

Academic and Selection Factors

While no minimum GPA is specified, only a small percentage of admitted applicants have below a 3.0 cumulative GPA.

Candidates for admission are evaluated holistically based on:

- Dedication to service, compassion, critical thinking skills, ability to communicate, and self-discipline
- Affinity for and prior experience with naturopathic or Chinese medicine
- Letters of recommendation
- Overall scholastic record
- Understanding and appreciation of health care issues
- Other achievements

Applicants are selected regardless of race, gender, age, religion, national or ethnic origin, sexual orientation, marital status, disabilities, or any other protected class under local, state, or federal law.

Application Process

ND Program

Applications may be downloaded or completed online utilizing NCNM's web site or through the Office of Admissions (503-552-1660). Initial consideration goes to candidates who apply by the dates listed below. However, NCNM continues to consider applicants on a space-available basis thereafter.

Early Decision November 1
Priority Decision..... February 1

Candidates who have selected NCNM as their first choice are encouraged to apply on or before the early decision date.

MSOM Program

Applications may be downloaded or completed online using NCNM's web site or through the Office of Admissions (503-552-1660).

Initial consideration goes to candidates who apply by the date listed below. However, NCNM continues to consider applicants on a space-available basis thereafter.

Priority Decision..... February 12, 2007



ND/MSOM Program

Exceptional students in the ND program may apply to the dual ND/MSOM program during their second year for admission the following fall.

Application Requirements for U.S. Citizens and Residents

- Completed and signed application form.
- \$75 nonrefundable application fee.
- Official sealed college transcripts for all college and university coursework, sent directly to the NCNM Office of Admissions from the institution.
- Catalog course descriptions for all courses that qualify as science prerequisites.
- Two letters of recommendation, one from a college or university faculty member, and one from a professional, preferably in a health-related field.
- A one-page chronological resume of work, educational, and volunteer experience with references and phone numbers.
- A Verification of Student Conduct Form mailed or faxed directly to the NCNM Office of Admissions from every college and university attended.
- Signed Criminal Disclosure and Information Consent form.
- Signed Technical Standards statement.

Please follow the application packet's detailed instructions and direct all application materials to:

Office of Admissions
National College of
Natural Medicine
049 SW Porter Street
Portland, OR 97201

It is the sole responsibility of the applicant to ensure that materials are received by NCNM on time. Application materials become property of NCNM and will not be returned or forwarded to other institutions.

On-campus Interview

Completed applications will be evaluated and those individuals who competitively meet requirements may be invited to a required interview on campus. Telephone interviews are normally not granted, but may be considered under extenuating circumstances. The interview allows students to visit the College and decide if it is a good fit.

Technical Standards

NCNM's goal is to broadly prepare students for the practice of naturopathic or Chinese medicine. This goal is achieved in part by undergraduate medical education, postgraduate medical education, and preparation for life-long learning. Modern medical education requires that the accumulation of scientific knowledge be accompanied by the simultaneous acquisition of skills and professional attitudes and behavior. Our faculty has the responsibility to graduate the best possible practitioners and physicians; thus, admission into NCNM is offered to those who present the highest qualifications for the study and practice of naturopathic or Chinese medicine.

Applicants to NCNM must possess the following general qualities: critical thinking, sound judgment, emotional stability and maturity, empathy, physical and mental stamina, and the ability to

learn and function in a wide variety of educational settings. In all phases of medical education, students of medicine must use their intellectual ability and must maintain emotional stability, particularly when under stress. Graduates of NCNM must have the knowledge and skills to function in a broad variety of clinical situations and render a wide spectrum of patient care.

Motor Skills

Candidates should have sufficient motor function to elicit information from patients by palpation, auscultation, percussion and other diagnostic maneuvers. Candidates should be able to execute motor functions necessary to provide general care and emergency treatment to patients.

Sensory and Observational Skills

Candidates must be able to observe demonstrations and participate in experiments as required by the NCNM curriculum. They must be able to observe a patient accurately at a distance as well as close at hand and be able to obtain a medical history directly from the patient, while observing the patient's medical condition. This observation necessitates the functional use of vision, hearing, and other sensory modalities.

Communication Skills

Candidates must be able to communicate effectively and sensitively both orally and in written form with patients. At times these skills must be performed in clinical settings when time for communication may be limited.

Conceptual, Integrative, and Quantitative Skills

These skills include measurement, calculation, reasoning, analysis and synthesis. Problem-solving and diagnosis, the critical skills demanded of physicians, require all of these intellectual abilities. In addition, candidates must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

Behavioral and Social Skills and Professionalism

Empathy, integrity, concern for others, interpersonal skills, interest and motivation are all personal qualities that will be assessed during the admissions process and throughout a student's medical education. Candidates must possess the emotional well-being required for the full use of their intellect; the ability to promptly complete all responsibilities attendant to the diagnosis and care of patients; and the capacity to develop mature, sensitive, and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively when stressed. They must be able to adapt to changing environments, display flexibility, and learn to function within the uncertainty inherent to the variety of clinical problems patients present.

In summary, the mission of National College of Natural Medicine faculty is to prepare students for the comprehensive practice of medicine. NCNM, in accordance with Section 504 of the 1974 Vocational Rehabilitation Act and the Americans with Disabilities Act (ADA) (Public Law-101-336), has established



the aforementioned essential functions of medical students and physicians. National College of Natural Medicine will consider for admission applicants who demonstrate the ability to perform or learn to perform the essential skills listed in this Technical Standards section. NCNM must ensure that patients are not placed in jeopardy by students or physicians as a result of substantially impaired intellectual, physical, or emotional functions. Students will be assessed not only on their scholastic accomplishments, but also in their physical and emotional capacities to meet the full requirements of the school curriculum and to graduate as skilled and effective practitioners of naturopathic or Chinese medicine.

Students who believe they may not meet the criteria listed above should contact the director of Student Services to discuss his or her specific circumstances. The director will coordinate assessment and accommodations as deemed appropriate. Unresolved issues concerning a student's ability to meet these standards may result in delay or disqualification of the student's admission or registration.

Application Process, cont.

Application Requirements for International Applicants

In addition to the requirements outlined above, international applicants must meet the following requirements:

- Complete an international student Certificate of Finance. This satisfies visa application requirements by verifying adequate financial resources to cover the anticipated period of study.
- If English is a second language, submit official scores from the Test of English as a Foreign Language (TOEFL). NCNM requires a score of 550 on the written exam or 213 on the computer exam.
- Submit all transcripts from non-U.S. accredited colleges and universities for translation and evaluation to one of the following approved evaluation services:

International Education Research Foundation, Inc.

310-390-6276, www.ierf.org

Office of International Education Services

202-296-3359, www.aacrao.org

World Education Services, Inc.

212-966-6311, www.wes.org

- Transcripts from accredited Canadian colleges and universities are generally exempt from this requirement. NCNM reserves the right to require outside evaluation in certain cases. Transcripts in French must be submitted for translation to one of the services above.



Second Degree Admission and Transfer from Other ND or Oriental Medicine Programs

Copies of policies regarding transfer students are available from the Office of Admissions. Note that there is a \$75 nonrefundable transcript evaluation fee.

Second professional degree candidates, defined as a health care practitioner with a doctoral level degree (ND, DC, MD, DO, DDS, or DPM) may apply for fall quarter admission. Depending on prior completed coursework, a full-time schedule may not be available for one of these quarters. A proposed class schedule for the intended quarter of entry and a degree completion plan only can be created after a candidate's prior coursework has been evaluated.

Due to the classical orientation of the MSOM program, only a limited number of credits from programs with a traditional orientation are transferable.

Transfers from NCNM to Other Institutions

Transfer of credit from NCNM to other institutions is at the discretion of the receiving institution. Credit generally depends on comparability of curricula and may depend on comparability of accreditation. Inquiries should be directed to the receiving institution to determine the transferability of credits from NCNM.

Choosing National College of Natural Medicine

Alumni

NCNM has a network of over 1,500 alumni across the United States, Canada, and in several other countries. Our alumni are dedicated physicians and acupuncturists who treat thousands of patients each year. Many are the “movers and shakers” of the professions; others are nationally recognized spokespersons for naturopathic and Chinese medicine. As part of their commitment, our alumni often talk with prospective students about a career in naturopathic or Chinese medicine. If you would like to visit with one of our alumni in your area, please call the Office of Admissions for a referral.



Visiting Campus

It is impossible to fully convey in writing the experience of being a student at NCNM. Calling our admissions counselors and visiting NCNM's web site, www.ncnm.edu, are essential ways to become acquainted with the College. However, the best way to explore a future with NCNM is to either visit the campus during a Student-for-a-Day program, or to arrange for an individual campus visit. Please call 503-552-1660 for more information on visiting NCNM.

Student-for-a-Day Program

Student-for-a-Day programs provide the most complete and succinct campus visit opportunities. The Office of Admissions invites all prospective students to attend one of the regular day-long programs. Here students have the opportunity to meet members of the NCNM faculty, staff, and student body, learn about our degree programs, and explore careers in naturopathic and classical Chinese medicine.

At Student-for-a-Day, you will:

- Learn about NCNM
- Meet some of the NCNM faculty and staff
- Tour the campus and the teaching clinics
- Meet current students and have an opportunity to talk with them
- Find out more about the professions, their histories, and their futures
- Explore admission criteria and the selection process

We will be announcing the dates of Student-For-A-Day programs and other special programs throughout the year, so visit our website often at www.ncnm.edu. Contact the Office of Admissions at 503-552-1660 to reserve a place.

If a Student-for-a-Day program does not fit into your schedule, individual visits are welcomed. Please call to arrange your visit, providing as much notice as possible. Schedules permitting, we are happy to meet with you and provide a campus tour. Our professors and current students welcome visitors to selected classes, but to avoid conflicts such as examination periods, please contact the Office of Admissions to pre-arrange a visit to a class. Additionally, prospective students are invited to visit the NCNM teaching clinics located downtown and in Northwest Portland. As these are medical facilities, it is especially important that arrangements are made prior to your visit, so patient service is not disrupted.

Please visit our web site at www.ncnm.edu. Although visiting our web site can never replace the experience of visiting our campus, it provides a wealth of information about the College's programs and activities.

Accommodations

There are several inns and hotels in our vicinity, if you plan to stay overnight. We would be happy to send you a list of local accommodations. Contact the Office of Admissions at 503-552-1660.

Financial Policies 2006-2007

Tuition

All new students entering in fall 2006 will be charged at the per-credit rate of \$273. All amounts are in U.S. currency. Note that Visa and Mastercards are accepted for tuition or fee payment (see credit card fee below).

ND Program

ND per credit (includes electives)		\$273 per credit
Four-year full-time (continuing student track rate)	\$19,698 per year	\$6,566 per quarter
Five-year full-time (continuing student track rate)	\$16,061 per year	\$5,354 per quarter
ND 2007 summer tuition		\$273 per credit
Continuing ND student Summer track rate		\$1638

MSOM Program

MSOM per credit (includes electives)		\$273 per credit
Four-year full time (continuing student track rate)	\$16,005 per year	\$5335 per quarter
MSOM three-year (continuing student track rate)	\$9,148 per year	\$3050 per quarter
MSOM 2007 summer tuition		\$273 per credit
Continuing MSOM student Required Summer track rate		\$1638

Dual Program

MSOM portion (continuing student track rate)	\$6859 per year	\$2287 per quarter
ND portion (continuing student track rate)	\$9850 per year	\$3283 per quarter

Fees

AANP membership fee (annual)	\$60 (winter quarter, may be waived)
Advanced-standing transcript evaluation fee	\$75 (one time)
Application fee	\$75 (one time)
Audit fee	80% of the per credit rate
Bike room fee	\$25 per quarter
Challenge examination fee	50% of the per credit rate
Change of track fee	\$500
(per subsequent change after one free change)	
Clinic add and drop fee	\$50
Clinic remediation shift (48 hours, when available)	\$750
Clinic tutorial (individual, twelve one-hour sessions equaling one unit)	\$600
CPR certification fee for 1st, 3rd and 5th year students (required recertification every two years)	\$35
Credit card fee	2.60% of total charge
Grade change fee	\$10 each
Graduation fee	\$120 (spring quarter billing)
Independent study fee	\$273 per credit

Late payment fee (per quarter)	\$50
ND graduate proficiency assessment exam	\$45 (spring quarter billing)(GPA 3)
Orientation fee (all new students)	\$50 (one time)
Parking fee	\$90 per quarter
Remediation (makeup) exam fee	\$50 each
ND GPA 1, 2 remediation exam fee	\$75
ND GPA 3 remediation exam fee	\$150
Retreat fee	up to \$195 per retreat
(Non-refundable two weeks prior to retreat)	
Returned check fee	\$25
Student activity fee	\$25 per year
Transcript fee	\$10 per request
Tuition deferment fee (per deferral)	\$20
Tuition deposit (non-refundable, one-time, applied to first quarter)	\$200

Student Health Insurance Plan I	\$989 Annual	\$330 Quarterly
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Student Health Insurance Plan II	\$1890 Annual	\$630 Quarterly
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Lab Fees

Anatomy Lab	\$50
Clinical Sciences Board Review (optional)	\$TBA
Basic Science Board review (optional)	\$220 (for two three-day weekends and review book)
CPD Lab	\$25
GYN Lab	\$100
Herb Retreat Lab	\$75
Histology Lab	\$50
Hydro Lab	\$50
IV Therapy Lab	\$50
Lab Diagnosis Lab	\$50
Lab Practicum	\$50
Manipulation I-V Labs	\$25
Massage/Bodywork Electives	\$25
Minor Surgery Lab I and II	\$50
Advanced Minor Surgery Elective Lab	\$50
Nature Cure Lab	\$25
Neonatal Resuscitation Program Lecture Lab	\$100
Neonatal Intubation Lab	\$100
Physiotherapy Lab	\$50
Somatic Re-Education elective	\$25
(all lab fees are refundable only in first week)	



Financial Policies 2006-2007, cont.

Tuition and Fee Payment Policy

All tuition and fees listed above are in U.S. currency. NCNM maintains tuition, fee, and refund policies that are fair and uniformly administered. Tuition and fees for each quarter are payable in full at the beginning of each quarter. The business office may apply a late payment fee of \$50 to a student's account unless the student has paid tuition or made arrangements (i.e., a deferral promissory note) by the end of the second week of each quarter.

Students unable to pay their entire tuition must see the business office to make payment arrangements before the due date. A promissory note may be written to defer payment of tuition until the last day of the quarter. There may be a \$20 fee assessed for each deferral. The business office may deny or rescind a student's eligibility for a promissory note if a student (1) misses the required payment due dates, (2) provides inaccurate or incomplete information, or (3) has a poor credit history. In no case is a student permitted to register for a quarter until all money owed the college is paid in full from previous quarters.

Credit for courses will not be given until tuition and fees have been paid in full. Transcripts or diplomas will not be issued to students with a balance on their accounts. Students with past due accounts who pay in full with a personal check will have transcripts or diplomas issued to them two weeks after payment.

Any adjustments or modifications to the schedule of tuition charges are subject to the approval of the chief financial officer.



Summer Quarter Tuition

The ND program requires attendance of at least one summer quarter consisting of 19 credits. The MSOM program requires attendance of two summer quarters, six credits each. The dual degree program also requires attendance of two summer quarters.

Change of Track

A change of track requires the following signatures: college advisor, associate program dean, business office, financial aid office, and registrar's office. All change of track requests must be completed by week eight of the quarter prior to the quarter in which the change takes effect. When a student is matriculated into the dual degree (ND/MSOM) program, no change of track fee will be assessed for the initial change; however, any subsequent changes will be assessed a change of track fee.

NCNM Emergency Loans

Short-term emergency loan assistance is available to eligible students. The maximum amount that can be borrowed is \$500. A \$10 loan-processing fee may be charged for each loan. Please contact the financial aid office for an application and for eligibility requirements.

Student Responsibilities

1. When students register for classes at NCNM, they incur charges on their account. Students are responsible for payment of all charges on their account by the due date, even if another party is paying the account.
2. Students experiencing financial problems in the payment of any tuition and fees are responsible for contacting the business office to make satisfactory arrangements.
3. Students are responsible for keeping NCNM informed of their current address and should submit address changes to the registrar's office.
4. Students are responsible for formally withdrawing from classes they wish to drop. Students who fail to formally drop classes during the refund period are responsible for the tuition charges. (See section on Add and Drop Policy.)
5. Any assessment or judgment against a student for damage to NCNM property, whether arising from a Student Conduct Code proceeding or a court action, shall be considered money due NCNM as if it were tuition. No transcripts or diplomas will be released to the student until the amount due the College has been paid.

NOTE: The College is not responsible for any loss of or damage to the personal property of a student.

Other Expenses

Students are required to purchase textbooks and other personal equipment, as well as basic diagnostic equipment for use in courses and clinic. These costs vary from year to year. Estimated costs applicable to a full-time first-year student enrolled in the four-year ND or MSOM program during the 2006-2007 academic year are estimated as follows:

Description	ND Amounts	MSOM Amounts
Tuition	\$19,725	\$16,026
Books and supplies	\$1,500	\$1,500
Living expenses	\$18,573	\$18,573
Loan fees (if applicable)	\$740	\$740
TOTAL ESTIMATED COSTS	\$40,538	\$36,839

Tuition and Fee Refund Policies

If a student finds it necessary to withdraw, either completely or from specific courses, the following policies apply:

- The application fee, submitted with the initial application for acceptance into NCNM, is nonrefundable.
- The deposit fee will be forfeited by a student who withdraws after accepting admission but before attending classes.
- Calculation of tuition refunds is based on the date the student begins NCNM's withdrawal process.
- Tuition refunds will first be applied to balances due NCNM. If a student receiving financial aid is eligible for a refund, that refund is returned to the federal financial aid program.

Tuition refunds are calculated according to NCNM's tuition and fee refund policy outlined below:

Week of Quarter	Tuition Refund Rate
First week	100% tuition
Second week	90% tuition
Third week	80% tuition
Fourth week	70% tuition
Fifth week	60% tuition
Sixth week	50% tuition
After the end of the sixth week	No refund

- If a student receiving financial aid is eligible for a tuition refund, that refund is returned to the federal financial aid program. Any refund of tuition and fees resulting from a withdrawal or a reclassification of tuition status must be applied to the recipient's financial aid awards before any payment is made to the student. Tuition refunds are calculated according to NCNM's tuition and fee refund policy. Return of federal Title IV funds is calculated according to Department of Education regulations. (See Financial Aid section for more information.)
- Students whose accounts were paid-in-full often have a balance due NCNM after withdrawal. The Title IV return of funds policy operates independently of the College's tuition refund policy. It is possible for a withdrawing student to owe NCNM money because aid must be returned to the Title IV program, but the student is not entitled to a refund of institutional charges.
- Federal regulations for this refund policy allow the College to retain an administrative fee that reduces the institutional charges subject to refund. This fee is five percent of total charges up to a maximum of \$100.
- Furthermore, federal regulations require that any student who has received a loan while attending NCNM and who leaves the College for any reason, including official leaves of absence, must participate in a loan exit interview. Exit interviews are conducted by the financial aid office and can be arranged by calling that office. (See Financial Aid section for more information.)



Financial Aid

NCNM participates in federal financial aid programs, including loans and work-study. Federal financial aid is available to students enrolled at least half-time in the ND, MSOM, or a combination of both programs.

Students who have been accepted at NCNM may apply for federal financial aid. This requires filing a Free Application for Federal Student Aid (FAFSA) form. These forms are available from the financial aid office or on the internet at www.fafsa.ed.gov. Students must file a new FAFSA in each year of study. Eligibility for financial aid is determined by using a federal formula outlined by the U.S. Department of Education.

Costs of Attendance

Budgets are established annually by the director of financial aid and are used to calculate a student's eligibility. Financial aid is awarded in early spring of each academic year. April 30 is the priority packaging date for need-based aid consideration.

As NCNM is a graduate institution, all students are considered independent and are eligible to receive the maximum allowable in federal loans. The subsidized amount received will depend partly on the students' documented financial need and partly on the institutional cost of attendance for the program chosen. To continue to receive financial aid, a student must make satisfactory academic progress as defined by the College's academic policies and must be enrolled at

least half-time to qualify for federal aid. The financial aid office can advise students about sources of financial aid and budgeting strategies. This office remains an available resource after the student leaves NCNM. Alumni may contact this office for information and confidential counseling on student debts and loan repayment both by phone and e-mail (financial-aid@ncnm.edu)

"NCNM Advantage"

Program

Although NCNM traditionally has used banks as lenders and servicers of federal loans to students through the FFEL Program (FFELP), now NCNM is an institutional lender.

As an institutional lender, NCNM is able to customize the student-lending program in ways that most benefit its students. The College maintains control over timelines from loan application to student completion, making the transition to institutional lending seamless. In performing lender responsibilities, NCNM receives benefits that are normally provided to a lending institution. The program allows NCNM to ensure availability of educational loan funds for its students and at the same time earns an investment return as a result. The interest, special allowance,

and premium earned on all loans disbursed provide a constant stream of revenue for NCNM. The federal law authorizing the FFELP regulations places limitations on the uses of some of the funds earned by NCNM. These limitations stipulate that interest benefits and special allowance payments be used for need-based grant programs. (See Scholarship section for more information.)

Loans

Loans comprise the majority of financial aid at NCNM. Approximately 90 percent of students attending the College find it necessary to borrow some funds while completing their program. However these student loans might not meet the total student budget to attend programs at NCNM, and the money borrowed will have to be repaid with interest.

The Federal Stafford Loans (Title IV Loans)

Eligible graduate and professional students may borrow a combination of subsidized and unsubsidized loans up to \$38,500 annually under the federal loan program. "Annually" is defined as a standard academic year, or a nine-month period. The current annual subsidized Stafford Loan limit is \$8,500 annually, subject to demonstrated financial need.

The current annual maximum loan amount for the unsubsidized program is \$30,000 annually. The combination of both these loans cannot exceed the maximum allowable limit. The subsidized and unsubsidized Federal Stafford Loans currently have an origination fee and a guarantee fee that will be deducted proportionately from the loan proceeds. Generally repayment of these loans begins six months after the student graduates, withdraws, or falls below half-time status. Complete instructions and individual counseling on loan repayment will be given to students before graduation or at separation from the College.

Graduate PLUS Loan

A Graduate PLUS Loan is a federal fixed rate loan that can be used to help cover the costs of attending college for eligible graduate students who are enrolled at least half time in a graduate or professional program (for example, a program that leads to a master's degree or to a law or medical degree). You must be either a U.S. citizen or a permanent resident. A credit check is required; however, income or assets and credit scores are not considered as part of the eligibility criteria. This is a simple application process that mirrors your federal Stafford Loan process.

There are no prepayment penalties, and you may borrow up to the cost of attendance minus other financial aid. These loans do not have a grace period and repayment begins immediately upon repayment. Graduate PLUS Loans are eligible for consolidation under the federal program, and in-school

deferment is available. Awarding of these loans precede the alternative loan program.

NCNM Emergency Loans

The College provides emergency loan assistance on a short-term basis to students experiencing financial hardship resulting from unexpected situations. A maximum of \$500 may be borrowed, and a \$10 processing fee is charged for each loan. These loans are considered as a last resort, and students must meet with the director of Financial Aid for consideration.

Financial Aid Refund Procedure

Students who withdraw from the program before week eight of any quarter may be eligible for a refund. If a student receiving financial aid is eligible for a refund, it is returned to the federal financial aid program. If the amount of the refund exceeds the total amount of aid, the excess will be returned to the student. Federal regulations require that any student who has received a loan while attending NCNM and who leaves the College for any reason, including official leaves of absence, must participate in a loan exit interview. Exit interviews are conducted by the financial aid office and can be arranged by calling that office.

Return of Federal Title IV Funds
NCNM is required to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing at least 60 percent of an academic quarter. Recalculation is done from the actual date the student begins the College's withdrawal process. For

students who leave without notifying the College, calculations will be made from the last day of recorded attendance or the midpoint of the quarter. Recalculation is based on formulas that determine the amount of aid earned and the amount of aid to be returned. The formulas used for recalculation can be obtained from NCNM's financial aid office.

Federal refund calculations are completely independent of NCNM's tuition refund policies. Federal Title IV funds are always returned in the order mandated by the U.S. Department of Education.

That order is:

1. Unsubsidized Stafford Loan
2. Subsidized Stafford Loan

Note: The Federal Title IV Refund Calculations only apply to withdrawals from all classes. However, if a student changes track, and if there is an adjustment made to her or his tuition charge, the Financial Aid Office may recalculate the student's Cost of Attendance Budget to see if her or his aid eligibility has changed.

Employment

Part-time employment while enrolled in school will help make ends meet. However due to the demands of the program, students generally find their schedules limit them to working 20 hours per week or less. The financial aid office administers a Federal Work-Study Program and maintains an online work-study job database. Several departments also offer non-work-study employment opportunities to students.

Financial Aid, cont.

Federal Work-Study (FWS)

These funds are provided from annual federal funds matched by College funds. Federal Work-Study allows qualified students to earn money for education by working jobs at NCNM. The College has a variety of jobs available to students: clerical aides, campus guides, library aides, community clinic aides, bookstore clerks, etc.

Eligibility and Rehabilitation Financial Aid Policy and Drug-Related Convictions

Students are ineligible for Federal Title IV Aid if convicted of an offense involving the possession or sale of illegal drugs. The period of ineligibility is contingent upon the offense committed and on whether the student is a first-time or repeat offender. (Information on Oregon and Federal sanctions and periods of ineligibility is available from the Office of Financial Aid and in the Student Handbook.)

Drug Rehabilitation

To restore Title IV eligibility early, students must successfully complete a qualified drug rehabilitation program. This program must conduct two unannounced drug tests and receive or be qualified to receive funds directly or indirectly from a federal, state, or local government program.

Government Program

Administered or recognized by a federal, state, or local government agency or court, the rehabilitation program must be qualified to receive or currently

receive payment directly or indirectly from a state-licensed insurance company or administered or recognized by a state-licensed hospital, health clinic, or medical doctor.

Scholarships

Money received from scholarship sources does not have to be repaid. At NCNM there are scholarships available for entering students and limited scholarship sources available to students who are matriculated. To be considered for available scholarships, complete applications for admission and scholarship award (along with all supporting documentation) must be received in the financial aid office by the appropriate deadline date.

Academic Achievement Scholarships

These one-year merit scholarships are awarded to students entering the MSOM or ND program in the fall of each year. These scholarships are made possible through the generous contributions of NCNM supporters, including monies raised at the annual auction and monies from the Institutional Lending program generated from student loans. Finalists are selected based on a record of outstanding academic achievement. These awards are for one year only and are applied to each recipient's accounts over the academic year.

Founders Scholarship

Each year the College awards money from the institutional lending program for need-based scholarships. Students must demonstrate financial need as outlined by

the FAFSA Application: www.fafsa.ed.gov. These scholarships are awarded to current students in the MSOM and ND programs. All current full-time students in good academic standing may apply. Graduating students are not eligible for this scholarship. Finalists will be selected based on a record of outstanding academic achievement, leadership, service to the College and community, dedication to the professions of natural medicine, and a commitment to honoring and celebrating diversity. These awards are for one year only, and are applied to each recipient's account over the academic year.

Brant Ashton Memorial Scholarship

The Brant Ashton Memorial Scholarship is a restricted NCNM fund established in memory of Brant Ashton, who passed away as a result of AIDS-related complications. As a gay man, Brant was keenly aware of the impact of HIV in the gay community. After his own HIV diagnosis, Brant left his successful business and moved from Toronto, Canada, to Portland, Oregon with his life partner to begin training as a naturopathic physician at NCNM. Brant had a strong interest in homeopathy and wanted to pursue research in the treatment of AIDS. The Brant Ashton Memorial Scholarship is available to full-time students at NCNM. The scholarship was established specifically to assist those students whose studies include homeopathy and who intend to do AIDS treatment and research or work with those who have HIV/AIDS-related illness.



Doctor of Naturopathic Medicine

Naturopathic Medicine Defined

Naturopathic medicine is a patient-centered primary care approach that uses natural means to restore and optimize health. It is a distinct system of health care—an art, science, philosophy, and practice of diagnosing, treating, and preventing disease.

Naturopathic medicine is heir to the vitalistic tradition of medicine in the Western world and emphasizes the treatment of disease through the stimulation, enhancement, and support of the inherent healing power of the body. Methods of treatment are chosen that respect the natural healing process.

History of Naturopathic Medicine

The roots of naturopathic medicine go back thousands of years, drawing on the healing wisdom of many cultures including East Indian (Ayurvedic), Chinese (Taoist), Greek (Hippocratic), Arabian, Egyptian, and European (monastic medicine) traditions.

With the age of scientific inquiry, medicine took on exciting dimensions and developed new tools for fighting disease. In fact, many older time-tested healing and health maintenance methods were discarded at a rapid rate as doctors began treating disease almost solely with surgery and drugs.

Some practitioners in Europe and the United States, however, recognized that valuable, empirically proven natural therapies were being lost, and struggled

to retain the practice of promoting health through stimulation of the vital force and the appropriate use of natural agents. As a distinct North American health care profession, naturopathic medicine is 100 years old, with origins traced back to Dr. Benedict Lust and Dr. Robert Foster. Dr. Lust originally came to the United States from Germany to practice and teach hydrotherapy techniques popularized in Europe by Sebastian Kneipp. A committee of Kneipp practitioners met in 1900 and determined that the practice should be expanded to incorporate all natural methods of healing, including botanical medicines, nutritional therapy, physiotherapy, psychology (mind-body connection), homeopathy, and the manipulative therapies. They called their profession “naturopathy.”

The first school of naturopathy was founded by Dr. Lust in New York City and graduated its first class in 1902. During the same period, Dr. Foster founded a similar institution in Idaho that trained the early naturopathic pioneers responsible for establishing licensing laws in Oregon and Washington states.

Naturopathic medical conventions in the 1920s attracted more than 10,000 naturopathic physicians. There were more than 20 naturopathic medical colleges, and NDs were licensed in a majority of states. Naturopathic medicine experienced a decline in the 1940s and 1950s with the rise of pharmaceutical drugs, technological medicine, and the idea that drugs could eliminate all disease. As ND degree programs began closing down, one after another, NCCNM was founded to keep the medicine alive.

Doctor of Naturopathic Medicine, cont.

The drop-off in popularity was so steep that during its first 20 years, NCNM graduated only 70 students.

From its founding in 1956 until 1979, when three of its alumni founded John Bastyr College (now Bastyr University) in Seattle, it was the only naturopathic college in the United States.

For almost half a century, NCNM, founded by those who began practicing in the 1920s and 1930s, has been at the center of the profession, preserving and extending the legacy of naturopathic medicine by training future physicians. The profession has experienced resurgence in the past two decades as a health-conscious public has sought alternatives for conditions that conventional medicine has not adequately addressed. Since the late 1970s, NCNM alumni have opened three more naturopathic colleges and NCNM enrollment has quadrupled. This growth is in direct response to the changing needs of our society; not only is the public demanding a medical model in which the individual plays a more active role in her or his health and healing process, but doctors also want a medical model that is more patient-centered and holistic.

NCNM is the alma mater of more than 1,500 naturopathic physicians who practice in nearly every state and province and many foreign countries. Many are nationally recognized spokespersons and teachers as well as successful physicians who have gone on to found new naturopathic colleges. NCNM alumni have also founded professional associations to promote and

expand naturopathic medicine. This is an exciting time to join the profession and help make history in the field of naturopathic medicine.

Educational Objectives of the Program

The ND graduate will have attained competency in the following areas:

- Incorporation of the principles of naturopathic medicine in diagnosis and treatment.
- Taking a medical history and physical examination.
- Utilization of medical diagnostic procedures.
- Integration of clinical data and therapeutic intervention.
- Education of patients in disease prevention and therapeutic needs.
- Communication with medical peers and practice management.
- Development of ongoing learning skills and professional development.
- Principles of evidence-based medicine.

Principles of Naturopathic Medicine

The practice of naturopathic medicine emerges from six principles of healing. These principles are based on the objective observation of the nature of health and disease and are examined continually in light of scientific analysis. These principles stand as the distinguishing marks of the profession:

The Healing Power of Nature

vis medicatrix naturae

The body has the inherent ability to establish, maintain, and restore health.

The healing process is ordered and intelligent; nature heals through the response of the life force. The physician's role is to facilitate and augment this process, to identify and remove obstacles to health and recovery, and to support the creation of a healthy internal and external environment.

First Do No Harm

primum non nocere

Therapeutic actions that are complementary to and synergistic with the body's innate healing process prevent harm to patients. Naturopathic physicians follow three precepts to avoid harming the patient:

- Use methods and medicinal substances which minimize the risk of harmful effects and apply the least possible force or intervention necessary to diagnose illness and restore health.
- Whenever possible, avoid symptom suppression as it can interfere with the healing process.
- Respect and cooperate with the *vis medicatrix naturae* in diagnosis, treatment, and counseling.

Identify and Treat the Cause

tolle causam

Illness does not occur without cause. Underlying causes of disease must be discovered and removed or treated before a person can recover completely from illness. Symptoms are expressions of the body's attempt to heal, but are not the cause of disease; therefore, naturopathic medicine addresses itself primarily to the underlying causes of disease, rather than to the symptoms. Causes may occur on many levels, including physical,

emotional, mental, and spiritual. The physician must evaluate fundamental underlying causes on all levels, directing treatment at root causes as well as seeking relief of symptoms.

Treat the Whole Person

in perturbato animo sicut in corpore sanitas esse non potest

Health and disease are conditions of the whole organism, involving a complex interaction of physical, spiritual, mental, emotional, genetic, environmental, and social factors. The physician must treat the whole person by taking all of these factors into account. The harmonious functioning of all aspects of the individual is essential to recovery from and prevention of disease and requires a personalized and comprehensive approach to diagnosis and treatment.

The Physician as Teacher

docere

Beyond an accurate diagnosis and appropriate prescription, the physician must work to create a healthy, sensitive interpersonal relationship with the patient. A cooperative doctor-patient relationship has inherent therapeutic value. The physician's major role is to educate and encourage the patient to take responsibility for her or his own health. The physician is a catalyst for healthful change, empowering and motivating the patient to assume responsibility. It is the patient, not the doctor, who ultimately creates or accomplishes healing. The physician must strive to inspire optimism as well as understanding. The physician must also make a commitment to her or his personal and spiritual development in order to be a good teacher.

Prevention

principiis obsta: sero medicina curatur

The ultimate goal of naturopathic medicine is prevention. This is accomplished through education and promotion of lifestyle habits that foster good health. The physician assesses risk factors and hereditary susceptibility to disease and makes appropriate interventions to avoid further harm and risk to the patient. The emphasis is on building health, rather than on fighting disease. Because it is difficult to be healthy in an unhealthy world, it is the responsibility of both physician and patient to create a healthier environment in which to live.

Scope of Practice

Naturopathic physicians' scope of practice varies by jurisdiction. Once universally licensed in the United States, naturopathic physicians have seen their laws sunset in many states over the past 50 years. Currently, 14 states, the District of Columbia, Puerto Rico, and four Canadian provinces license naturopathic physicians. Due to a resurgence of interest in naturopathic medicine, several additional states have naturopathic licensing bills before their legislature including Illinois, Missouri, New York and North Carolina. Many jurisdictions regard NDs as primary care physicians and provide them with the scope of diagnostic and therapeutic privileges necessary to be a doctor first seen by a patient for general health care, for advice on keeping healthy, and for the diagnosis and treatment of acute and chronic conditions. In those jurisdictions in which NDs are not licensed, the scope of practice excludes the diagnosis and treatment of disease.

The naturopathic physician is defined by the U.S. Department of Labor as one who:

“Diagnoses, treats, and cares for patients, using a system of practice that bases treatment of physiological functions and abnormal conditions on natural laws governing [the] human body: Utilizes physiological, psychological, and mechanical methods, such as air, water, light, heat, earth, phytotherapy, food and herb therapy, psychotherapy, electrotherapy, physiotherapy, minor and orificial surgery, mechanotherapy, naturopathic corrections and manipulation, and natural methods and modalities, together with natural medicines, natural processed foods and herbs and nature's remedies. Excludes major surgery, therapeutic use of x-ray and radium, and use of drugs, except those assimilable substances containing elements or compounds which are components of body tissues and are physiologically compatible to body processes for maintenance of life.” (Yet many states have broad drug formularies that allow NDs to prescribe drugs.)

It should be noted that the state of Utah requires a one-year residency before licensing NDs. Like other physicians, recently graduated NDs are encouraged to seek additional clinical experience under the supervision of a licensed physician in the form of residencies and mentorships.

Doctor of Naturopathic Medicine, cont.



Licensing and Certification of Naturopathic Physicians

Naturopathic physicians practice in most states and Canadian provinces, as well as foreign countries under various legal provisions. States, U.S. territories, and Canadian provinces licensing NDs, at publication, are Alaska, Arizona, British Columbia, California, Connecticut, Hawaii, Idaho, Kansas, Maine, Manitoba, Montana, New Hampshire, Ontario, Oregon, Puerto Rico, Saskatchewan, Utah, Vermont, Virgin Islands, Washington, and Washington DC. In other United States and Canadian jurisdictions, a varying scope of naturopathic practice may be permitted or protected by court decisions, attorney general opinions, or local regulations.

Efforts to enact licensing laws are underway in several states. Legislation is in the final stages of consideration in New York, New Mexico and North Carolina. The best sources of current information about the legal status of naturopathic medicine in a particular area are the American Association of Naturopathic Physicians (8201 Greensboro Drive, Suite 300, McLean, VA 22102 or www.naturopathic.org), state or provincial naturopathic associations, and individual naturopathic physicians practicing in that area.

Currently all states that license naturopathic physicians require graduation from a residential course of study offered through a college approved by the examining jurisdiction. NCNM meets all requirements of and is accredited by the Council on Naturopathic Medical Education (CNME). Completion of the ND degree at NCNM or another recognized institution qualifies candidates to sit for a board licensing examination that every applicant must pass to be licensed. Similarly, NCNM graduates are eligible to sit for examination in Canadian provinces that license naturopathic medicine. While each jurisdiction has its own examination requirements, an increasing number use the Naturopathic Physicians License Exam (NPLEX) as part or all of the required testing.

Diagnostic Techniques

NDs are trained in conventional diagnostic techniques such as physical exam, laboratory testing, differential diagnosis, x-ray and ultrasound imaging,

and psychological assessment. In addition, NDs use specialized laboratory tests that assess physiological function, as well as other observational and physical techniques. NDs endeavor to identify disease states in the context of the individual's overall health.

Therapeutic Techniques

Botanical Medicine: Many plant substances are powerful medicines. Where isolated chemically derived drugs may address only a single problem, botanical medicines are able to address a variety of problems simultaneously. When properly administered, most botanical medicines can be applied effectively with minimal chance of side effects.

Clinical Nutrition: Food is the best medicine and is a cornerstone of naturopathic practice. Many medical conditions can be treated more effectively with foods and nutritional supplements than they can by other means, with fewer complications and side effects. NDs use diet, natural hygiene, fasting, and nutritional supplementation in their practices.

Homeopathic Medicine: Homeopathic medicine is treatment of disease/symptoms using correctly prescribed, minimal doses of natural substances (plant, animal, mineral), which, if taken in larger doses, would cause disease/symptoms—the acting principle being “like cures like.” It promotes the return to health on physical, mental and spiritual levels.

Mind/Body Medicine: Mental attitudes and emotional states may influence, or even cause, physical illness. Counseling, nutritional balancing, stress management, biofeedback, and other therapies are used to help patients heal psychologically.

Minor Surgery: Naturopathic physicians do in-office minor surgery, including repair of superficial wounds and removal of foreign bodies, cysts, and other superficial lesions.

Naturopathic Obstetrics/midwifery: Trained and certified NDs provide childbirth care in an out-of-hospital setting. They offer prenatal and postnatal care using modern diagnostic techniques combined with ancient midwifery wisdom. The naturopathic approach strengthens healthy body functions so that complications associated with pregnancy may be prevented.

Classical Chinese Medicine: Within the ND program, classical Chinese medicine is a healing philosophy that is complementary to naturopathic medicine. Classical Chinese medical theory offers an important understanding of the unity of the body and mind, while adding to the Western understanding of physiology.

Physical Medicine: Naturopathic medicine has its own methods of therapeutic manipulation of soft tissue, muscles, bones, and spine. NDs also use ultrasound, diathermy, exercise, massage, water, heat and cold, and gentle electrical therapies.

Naturopathic practice also includes the use of any medicinal substances which contain elements that are components of bodily tissues or can be utilized by the body for the maintenance of life and the repair of tissues. The current scope of practice excludes major surgery and the use of most synthetic drugs.

“Scope of practice” is specifically defined by the legislation in the various states and provinces that license or regulate naturopathic medicine, and practice varies significantly among states, provinces, and countries.



ND program of Study

The ND degree course of study at NCNM is an intensive four-year doctoral program that prepares candidates for national (Naturopathic Physicians Licensing Exam) and state board licensing examinations and the general practice of naturopathic medicine. Upon graduation, alumni are eligible to sit for board examinations in states and provinces that license naturopathic physicians. The core, or required, curriculum provides the foundation and skills necessary for naturopathic family practice.

First-year studies include the normal structure and function of the body with a solid introduction to naturopathic theory,

philosophy, and therapeutics. To enter second-year clinical training, students must pass the hydrotherapy lecture and lab course.

Second-year focuses on the study of disease and diagnosis, while beginning the botanical, therapeutic manipulation, clinical nutrition, and homeopathic medicine sequences. To enter into third year clinical training, students must pass all basic sciences and diagnostic courses, as well as a clinic entrance examination (Graduate Proficiency Assessment 1).

Third-year continues to focus on the botanical, manipulation, clinical nutrition, and homeopathic medicine sequences, begins the organ systems courses (emphasizing case management), and gives major emphasis to clinical training. Students must pass a clinical primary status exam (Graduate Proficiency Assessment 2) to proceed in the clinic.

Fourth-year continues the organ systems courses. The major focus of the fourth year is practical clinical training, working side by side with licensed physicians caring for patients. A clinic proficiency exam (Graduate Proficiency Assessment 3) ensures clinical competency prior to graduation.

Because the program is rigorous and the course load heavy, students may choose to complete the ND degree in five rather than four years. In some cases, students may be required to be in the five-year track. Students may take no more than seven years to complete the ND program and no more than nine years to complete the dual program.

ND Course Descriptions

Basic Sciences

The basic science courses involve an in-depth study of the human body's structure and function, from the gross anatomical to the microscopic and molecular levels.

BAS 410/420 Musculoskeletal Anatomy I, II

(2 lecture credits each)

The lecture sequence in the fall and winter quarters covers the anatomy of the muscular, skeletal, vascular, and nervous elements of the extremities, spinal column, and skull.

BAS 411/421/431 Gross Anatomy Laboratory I, II, III

(1 lab credit each)

In this three-term course students participate in human cadaver prosection as an aid to learning and remembering the interrelationships of the parts of the human body.

Prerequisites: concurrent enrollment in BAS 410 and 420

BAS 412/422/432 Organ Systems Anatomy and Physiology I, II, III

(6 lecture credits each fall and winter, 7 lecture credits in spring)

This year-long sequence is an in-depth exploration of the anatomy, physiology, and development of the internal organ, endocrine, and central nervous systems.

BAS 414 Medical Histology

(3 lecture credits with 1 lab credit)

Microscopic anatomy of all major body tissues, including an introduction to histopathology, is covered in this lecture course and lab.

BAS 417/427/437 Cellular Systems I, II, III

(3 lecture credits each with 0.5 lab credit per quarter for 3 quarters of discussion/recitation)

These courses cover biochemical structures and pathways of metabolism including the role of vitamins and minerals; the basic functions of the immune system with emphasis on its role in protecting against microbial infections and tumors; and immune deficiency states, autoimmunity, and psychoneuroimmunology.

Prerequisites: BAS 417 for BAS 427 and BAS 427 for BAS 437

BAS 418/428/438 Basic Science Clinical Correlations I, II, III

(1 lab credit each)

This year-long sequence explores how the basic sciences of anatomy, physiology and biochemistry are used to understand actual clinical cases. The format is a combination of case presentations and small group discussion. Students learn to research cases in the medical literature.

Prerequisites: concurrent enrollment in BAS 412/422/432

BAS 440/441 Microbiology I, II

(3 lecture credits each)

This course covers infectious diseases, microbial structure and function, and the normal flora and common pathogens of the body. The course also includes the etiology, epidemiology, prevention, and control of communicable diseases from a public health point of view. Special emphasis is placed on how the practitioner interacts with public health agencies.

BAS 434 Research & Statistics

(2 lecture credits)

Upon completion of this course, students will be able to read medical research material and critically assess clinical studies.

Botanical Medicine

The botanical courses provide extensive training in the use of plant medicines in naturopathic practice, including their prescription, manufacture, and field recognition. NCNM's medicinary stocks more than 150 different herbal tinctures and more than 100 dry herbs. In addition to courses focused specifically on botanical medicine, the ND program integrates botanical treatment in clinical science courses (endocrinology, cardiology, gynecology, urology, dermatology, oncology, neurology, etc.)

Elective: BOT 440E/441E/442E Northwest Herbs I, II, III

(2 lecture credits each)

These elective courses cover local plant identification, ethical harvesting, drying techniques, and preparation of herb tinctures, oils, salves, and many other therapeutic preparations. Traditional, historical, and scientific uses of plants are explained. Students are encouraged to develop an appreciation for plants that is not limited to seeing them as medicinal agents. Each term includes outdoor field trips to enhance the plant study.

BOT 520/530/610 Botanical Materia Medica I, II, III

(3 lecture credits winter, 2 lecture credits spring, 3 lecture credits fall)

These sequential courses comprise a

detailed survey of plants and plant preparations used in naturopathic practice, integrating traditional herbal knowledge with modern pharmacological research. The pharmacognosy, pharmacodynamics, toxicology, and therapeutics of each plant are considered. The coursework begins with an intensive on medicinal plant chemistry and follows with a focus on organ systems—the pathologies, the herbal treatments, and practical case presentation and workshops on case management and prescribing herbal formulas.

Prerequisites: concurrent enrollment in CLS 520/530, BOT 520 for BOT 530, BOT 530 for BOT 610

Elective: BOT 620E/630E Advanced Botanical Materia Medica I, II

(3 lecture credits)

These elective courses build on the required botanical materia medica classes. Studies include additional and less commonly used plant medicines and creation of botanical formulas for various disorders. Plant energetics, the most recent research on botanical medicines, as well as the spiritual and metaphysical aspects of herbs are explored in more depth.

Classical Chinese Medicine

One course in classical Chinese medicine is required in the ND program. This course focuses on classical principles that provide a foundation for understanding Chinese medicine and may be integrated into naturopathic medical practice.

NPH 510 Introduction to Classical Chinese Medicine

(3 lecture credits)

This introductory Chinese Medicine course covers the basic theory and practice of acupuncture and Chinese medicine. The course will include discussion of Chinese medicine organ systems, Chinese medicine therapies in addition to acupuncture, as well as the biomedical understanding of acupuncture. Students considering the dual ND-MSOM degree should take CCM 418 Foundations of Classical Chinese Medicine in place of this course.

Elective: CCM 504E/505E/506E ND Qigong Retreat Series I, II, III

(1 lecture credit each)

With this series of weekend Qigong retreats, the classical Chinese medicine department makes available a synthesis of the Eastern art of cultivation for the beginning ND student. In the serene surroundings of a retreat center in the Pacific Northwest, students will learn to experience energy-based phenomena such as Qi and be introduced to a variety of ancient practices that cultivate body, mind, and spirit. Specific exercises include Free Style Dragon Qigong (Longzi Linggan Gong) from the Emei School of Qigong, Yin Yang Raise and Descend Open and Close Qigong (Yin Yang Sheng Jiang Kai He Gong) from the Jinjing School of Qigong, Daoist quiet meditation and sacred chants from a variety of healing traditions.

Prerequisites: CCM 504E for CCM 505E, CCM 505E for CCM 506E

Naturopathic Clinical Education

CLE 430, CLE 520/530, CLE 710/711/712/713/714/715, CLE 812/813/814/815/816/817/818/819/820/821/822/824/825, CLE 972, CLE 718

(see curriculum layout for individual clinic credits)

Students gain practical clinical skills by working under the supervision of licensed naturopathic physicians, both in NCNM's primary teaching clinic and at other health care facilities. Students begin learning through observation and gradually gain more responsibility for patient care. All patient care is under the direct supervision of licensed physicians.

Requirements for the completion of the clinical practicum include 1,200 clock hours of direct patient contact with a minimum of 500 patient contacts; demonstrated competence in specific clinical skills; and the guidance and assessment of the clinic staff in clinical skills, knowledge, judgment, professional and ethical behavior, and communication skills.

Clinical experience begins as early as the summer after the first year. The first year of clinical experience involves performing various hydrotherapy treatments on college clinic patients. During the summer after the second year through the third and fourth years, students become part of the treatment teams that deliver primary care in the clinic. Each student has required summer clinic shifts usually the summer before the last year of school. (See summer quarter tuition).

ND Course Descriptions, cont.

In addition to the minimum 1,200 hours of patient care, third and fourth-year students attend Naturopathic Grand Rounds, in which clinical cases of interest to students and clinicians are presented. Clinical education includes academic courses and community service activities. Students also attend medicinary, x-ray and laboratory practicums.

Prerequisites: BAS 410/420, BAS 411/421/431, BAS 412/422/432, BAS 414, BAS 417/427/437, BAS 440/441, CLS 510/520/530, CLS 512/522/532/542, CLS 513/523/533. Prior to beginning third-year clinical training, students must pass the Secondary Clinic Entrance Examination (Graduate Proficiency Assessment 1), first and second year courses as defined in the student handbook. Prior to beginning fourth-year clinical training, students must successfully complete a primary entrance exam (Graduate Proficiency Assessment 2) and third-year courses as defined in the Student Handbook to become a primary clinical student. These exams are traditionally given during the spring quarter. All students must pass an exit exam (Graduate Proficiency Assessment 3) before graduating.

CLS 710/711/712E*

(1 clinic credit each)

Clinic Synthesis aims to integrate further experiential & problem based learning into the curriculum. It assembles together the pieces of naturopathic education and is designed to bolster clinical thinking skills. Clinic Synthesis is built on the foundation of experiential education learning techniques—practicing & integrating skills in a mock clinic, receiving feedback on history, physical exam & SOAP notes from peers and a licensed naturopathic physician.

* Only 712E is for elective credit.

Prerequisite CLS 710 meet criteria for clinic entrance, CLS 711 meet criteria for primary clinic entrance, CLS 712E meet criteria for clinic exit by the following spring/summer term.

CLE 846 ND Preceptorship Program

(10 clinic credits)

The preceptor program provides students with opportunities to broaden and strengthen their clinical skills under the mentorship of licensed physicians in practice. To graduate, 240 hours of clinical field observation are required. A minimum of 145 hours are completed with a naturopathic physician, and the remaining 95 hours may be done with a variety of health care professionals, most commonly NDs, MDs, DOs, and DCs. Through preceptorship, students develop an awareness of varied clinical pathologies and refine such skills as doctor-patient communications, applications of therapeutic modalities, and the routine operation of a doctor's office or clinic.

Clinical Nutrition

The nutrition courses are designed to give the physician a comprehensive knowledge of clinical nutrition. Students will learn to use diet and nutritional supplements to treat and prevent a wide variety of diseases.

NUT 530 Nutrition I

(3 lecture credits)

This course provides the foundation for a working knowledge of the actions, recommended intake, and therapeutic uses of macronutrients (carbohydrates, fats, proteins) and micronutrients (vitamins, minerals, accessory nutrients). Dose, toxicity, and deficiency issues for each vitamin and mineral are also discussed.

Prerequisites: BAS 412/422/432, 417/427, Concurrent enrollment BAS 437

NUT 611 Nutrition II

(3 lecture credits)

This course explores diet and its relationship to health and disease. Course emphasis is on the health effects of different foods and special diets. Students will also develop skills in diet assessment and counseling.

Prerequisites: NUT 530

NUT 622/633 Nutrition III, IV

(3 lecture credits each)

These courses integrate the content and applications of Nutrition I and II in the clinical setting. Students learn to critically evaluate various nutritional therapies for the prevention and treatment of specific diseases. The courses provide an evidence-based approach to clinical nutrition, with an emphasis on dietary manipulation, vitamin and mineral supplementation, and the use of accessory nutritional factors.

Prerequisites: NUT 611

Diagnostic Science

The clinical science courses teach the knowledge and techniques necessary to understand and diagnose disease.

CLS 510/520/530 Clinical and Physical Diagnosis I, II, III

(5 lecture credits each)

In this sequence of courses, students integrate information presented in pathology to learn the diagnosis of disease. This includes the integration of medical history, physical examination, and laboratory testing appropriate for accurate medical assessment of each system in the body and their interrelationships.

Prerequisites: BAS 410/412/420/422/432, concurrent enrollment in CLS 512/522/532/542

CLS 510L/520L/530L Physical Diagnosis Lab I, II, III

(1 lab credit each)

These courses cover the practical portion of the physical diagnosis curriculum. Students are taught charting skills, patient history taking, and all aspects of the physical examination.

Prerequisites: Concurrent enrollment in CLS 510/520/530, CLS 510L for CLS 520L, CLS 520L for CLS 530L

CLS 512/522/532/542 Pathology I, II, III, IV

(3 lecture credits spring, 4 lecture credits fall, 3 lecture credits winter, 4 lecture credits second spring)

These courses approach the study of disease through the pathological processes that apply to tissue in general, such as cell injury and death, inflammation, repair, and neoplasia. Diseases of each organ system, including causes, changes in tissue structure and function, and the clinical course of each condition are studied. They include the mind/body connection and nutrition as they relate to disease states.

Prerequisites: BAS 410/420, BAS 412/422, concurrent enrollment in BAS 432

CLS 513/523/533 Laboratory Diagnosis I, II, III

(2 lecture credits with .5 lab credit each)

This course sequence is coordinated with pathology and clinical and physical diagnosis. Students are taught indications for specific tests and evaluation of test results. In the lab portion of class, students learn medical laboratory techniques used in physician offices.

Prerequisites: BAS 417/427/440/441/437, concurrent enrollment in CLS 510/520/530, CLS 512/522/532 CLS 513 for CLS 523, CLS 523 for CLS 533

CLS 514/524/534 Clinical Case Presentations I, II, III

(1 lab credit each)

This course is a problem-based study of clinical cases that will encourage diagnostic thought processes for students, while illustrating important elements of pathology and clinical diagnosis and laboratory testing.

Prerequisites: BAS 432, concurrent enrollment in CLS 510L/520L/530L

CLS 516/526 Pharmacology I, II

(3 lecture credits each)

This course presents the principles of pharmacodynamics, including drug absorption, metabolism, distribution, excretion, and mechanism of action. Students are expected to classify and describe the pharmacodynamics, side effects, and therapeutic uses of drug prototypes from the contemporary drug classes. Special emphasis is given to drugs contained in the Oregon and other naturopathic formularies.

Prerequisites: BAS 417/427/437, BAS 432, CLS 516 for CLS 526

CLS 614/624/634 Diagnostic Imaging I, II, III

(2 lecture credits fall, 3 lecture credits winter, 2 lecture credits spring)

Students are taught the radiographic anatomy and findings of common disorders, with emphasis on differential diagnosis and clinical correlation. Students also learn about the operation of x-ray equipment and how to order imaging studies. Other basic methods covered are ultrasonography, nuclear medicine, computerized tomography,

magnetic resonance imaging, and their proper use in diagnosis.

Prerequisites: BAS 432, CLS 510/520/530, CLS 512/522/532/542, CLS 614 for CLS 624, CLS 624 for CLS 634

CLS 621 Medical Genetics

(2 lecture credits)

This course covers the basis, diagnosis, and transmission of genetic disorders. The role of genetics in congenital diseases, prenatal diagnosis of chromosomal disorders, and new techniques in human molecular genetics are emphasized.

Prerequisites: CLS 512/522/532

CLS 631 Environmental Medicine

(2 lecture credits)

This course focuses on the health effects of pollutants in the environment and in the workplace. Students are taught how chemical substances and radiation affect the human organism and how to diagnose and treat the disease conditions that occur from these exposures.

Prerequisites: BAS 417/427/437, CLS 530/542

CLS 632 First Aid & Emergency Medicine

(2 lecture credits)

In this course, students are taught to recognize and respond to medical emergencies with conventional and naturopathic techniques, while making appropriate decisions for referral.

Prerequisites: CLS 510/520/530

Elective: CLS 643E The Liver in Health and Disease

(2 lecture credits)

The course involves an in-depth study of hepatic pathophysiology and treatments of diseases including: hepatitis C,

ND Course Descriptions, cont.

steatohepatitis, alcoholic liver disease, liver cirrhosis, liver cancer, and diabetes. Emphasis is put on interpreting laboratory results, understanding the psychophysiology of the liver, liver detoxification systems and their clinical applications, the basics of Chinese medicine perspectives on the liver, and the critical role a healthy liver plays in overall health.

CLS 999 Thesis

(1 lecture credit)

This course is an independent study focusing on completion of a thesis based on clinical cases or conditions. The student will be expected to progressively complete each phase of thesis development, research, and writing. This is generally undertaken in the last year of education after the student has had considerable clinic experience.

Homeopathic Medicine

NCNM has a tradition of excellence in homeopathic education. The focus of study is on classical homeopathy as taught by Hahnemann and Kent. The first five classes listed, Introduction to Homeopathy and Homeopathy I-IV are required classes; Homeopathy V-VIII are electives.

HOM 510 Introduction to Homeopathy

(2 lecture credits)

This course introduces students to the principles and philosophy of classical homeopathy. Students will learn about vitalistic medicine, the history of vitalism, the vital force in health and disease, the nature of medicines, and ways to affect the vital force.

Prerequisites: NPH 410, CLS 510

HOM 520 Homeopathy I

(2 lecture credits)

This course serves as a continuation of Introduction to Homeopathy. Students will gain a greater depth of understanding of the concepts addressed in the previous class and begin the study of the essence, keynotes, and characteristics of the polycrest remedies.

Prerequisites: HOM 510

HOM 530 Homeopathy II

(2 lecture credits)

As a result of this class, students will gain further understanding of constitutional homeopathy. Emphasis will be on case-taking, case analysis, evaluation of remedy action, and the follow-up interview. Students will be able to assess and classify the remedy reaction, will gain an understanding of Kent's Repertory, and will learn the arrangement, schema, and language of repertory. The study of the materia medica and polycrest remedies continues.

Prerequisites: HOM 520

HOM 610 Homeopathy III

(3 lecture credits)

Students will gain greater understanding of the use of Kent's Repertory, with emphasis on the mental and general sections. Students will further their knowledge of constitutional homeopathy, with emphasis on case analysis, the follow-up interview, evaluation of remedy action, and the second prescription. Study of the polycrest remedies continues.

Prerequisites: HOM 530

HOM 620 Homeopathy IV

(3 lecture credits)

This course focuses on prescribing homeopathic remedies for acute ailments by using keynote symptoms and repertory.

Prerequisites: HOM 610

Elective: HOM 630E Homeopathy V

(3 lecture credits)

For the discussed disease states, students will learn the most common symptoms and the related rubrics, the most common remedies indicated, and how to differentiate among them. Students will view and analyze cases being taken, observe patients of different "remedy types," match the symptoms of the patient with rubrics in Kent's Repertory, and study materia medica to find the most appropriate remedy. Students will understand the main indications and uses of discussed remedies.

Prerequisites: HOM 620

Elective: HOM 710E Homeopathy VI

(3 lecture credits)

Upon the completion of this course, students will know the most common symptoms and the related rubrics, as well as the most common remedies indicated and how to differentiate among them for the discussed disease states. Cardiovascular, neurological, musculoskeletal, and genitourinary (including sexual) problems are studied. Materia medica are presented in each area, along with differentials, important rubrics to consider, and the most prominent remedies for each condition. Cases are presented, taken, and analyzed. Remedies are prescribed.

Prerequisites: HOM 620

**Elective: HOM 720E
Homeopathy VII**

(3 lecture credits)

Upon completing this course, students will be able to describe the characteristic general and keynote symptoms and major therapeutic indications for at least eight additional homeopathic remedies. Students will be able to give the symptom indications with remedy comparisons for at least 10 remedies most often used for each of several common gastrointestinal and dermatological complaints. The student will be able to describe the uses, strengths, and weaknesses of various repertories and methods of repertorization. In addition they will be able to prepare potencies from crude substances.

Prerequisites: HOM 620

**Elective: HOM 730E
Homeopathy VIII**

(3 lecture credits)

Upon completion of this course, students will have learned the most important remedies in the treatment of the following conditions and will be able to differentiate and prescribe from among the leading remedies: anxiety disorder, arthritis, cancer, diabetes, eczema, gangrene, herpes zoster, insomnia, lumbago, multiple sclerosis, neuralgias, psoriasis, sciatica, suicidal tendencies, thyroid dysfunction, tumors, ulcers, and warts. Case analysis and patient management skills will be refined.

Prerequisites: HOM 620

Mind/Body Medicine

The fundamental purpose of the curriculum is to provide students with the foundation necessary to integrate successfully the mind, body, and spirit in working with patients, and learning how to establish rapport and communication with patients. With a special emphasis on recognizing and treating patients in the realms of emotional and mental health, students are provided the information and skills necessary to offer a truly holistic approach.

PSY 420 Mind/Body Assessment I

(1 lecture credit with .75 lab credit)

This course enables students to consider topics relating to patient's experience of illness, to learn the fundamentals of communication skills, discuss social, ethical, and psychological aspects of the doctor-patient relationship.

PSY 530 Holistic Model and Mind/Body/Spirit Medicine

(1 lecture credit)

This course introduces first year students to models of health and healing that are personally, spiritually, and culturally based. It introduces developmental concepts and the role of stress in disease development, as well as the scientific basis of mind/body interconnections and interactions. Biochemical and energetic models will be explored.

PSY 610 Mind/Body Assessment II

(1 lecture credit with .5 lab credit)

Students are further trained in communication skills, process tracking skills, nonverbal observation skills, and other key elements of the doctor-

patient relationship. Students practice clinical presenting skills, and explore communication styles.

Prerequisites: third-year status

PSY 720 Managing Clinical Encounters Holistically

(2.5 lecture credits)

Students will integrate practical application of assessment and communication skills in clinical situations.

Prerequisites: PSY 420

PSY 722 Mind/Body Assessment III

(2.5 lecture credits)

Students learn to place physical, mental, psychological, emotional, and spiritual development into the context of primary care and behavioral medicine. Understanding of the DSM diagnosis will be deepened. Cultural sensitivity assessment will be emphasized.

Naturopathic Obstetrics/ Midwifery

The obstetrics/midwifery program at NCNM is a synthesis of the philosophies of natural medicine and traditional midwifery. Although our program is didactic only, not including the experiential aspects of training, it prepares our students to seek further education through clinical preceptorships, should they so choose. Naturopathic midwives strive to "be with" (midwife) each woman as her pregnancy progresses and "to stand before" (obstetrics) her reverently, acknowledging her strength and the indisputable wisdom of childbirth.

ND Course Descriptions, cont.

As naturopathic physicians, we honor the body's wisdom. As midwives, we honor birth as a natural process. With dual training as naturopathic physicians and midwives, graduates are uniquely qualified to provide comprehensive health care for the woman and her family throughout their lives.

NCNM offers a specialty certificate in naturopathic obstetrics/midwifery, recognizing the completion of a series of didactic courses. The program combines the principles of midwifery with naturopathic philosophy but does not include practical experience in assisting at childbirth. Students receive instruction in the natural process of pregnancy, labor, and birth, while also being trained in detection and management of unusual and emergency situations. After successful completion of the program, certificate holders are uniquely prepared to continue their education by obtaining practical experience under the mentorship of a qualified naturopathic physician. Students intending to include natural childbirth in their practices must complete the entire didactic sequence of obstetric coursework to familiarize themselves with the management of pregnancy, childbirth, postpartum, and neonatal periods.

Program coursework meets Oregon licensure requirements for the Certificate of Natural Childbirth and is recognized by Washington State midwifery requirements. Both states also require practical clinical experience, which is not included in this certificate program. Individuals interested in practicing

naturopathic midwifery in other areas should contact local governing agencies to inquire about requirements.

Students must be in good academic standing and apply for the program in their third year. Qualified applicants will be interviewed by the Obstetrics Selection Committee for entry into the obstetrics/midwifery certificate program. Annual selection is limited and not all applicants are accepted.

NCB 610 Natural Childbirth I for the General Practitioner

(3 lecture credits)

This course prepares the naturopathic physician to provide health care appropriate to the special circumstances of pregnancy. Topics covered include diagnosis of pregnancy, initiating prenatal care, therapeutics for early pregnancy, management of miscarriage, infertility, referrals, overviews of normal labor and birth, and the postpartum care of mothers and infants. The student is prepared to screen for risks and to offer clients informed choices related to hospital or out-of-hospital birthing options.

Prerequisites: CLS 510/520/530, CLS 510L/520L/530L, CLS 512/522/532/542, CLS 513/523/533

Elective: NCB 620E Natural Childbirth II: Pregnancy

(3 lecture credits)

This course initiates specialty training in naturopathic obstetrics. The emphasis is on the role of prenatal care in assessing and assisting the maintenance of well-being for mother and fetus. Screening skills introduced in Natural Childbirth I are refined and expanded. Complications

of pregnancy are studied along with the continuum of appropriate treatment possibilities, ranging from naturopathic therapeutics to referral for high-risk cases.

Prerequisite: NCB 610

Elective: NCB 630E Natural Childbirth III: Labor and Delivery

(3 lecture credits)

This course prepares students to provide support and safety to the birthing family through labor and the emergence of the new baby. Films of normal labor and birth are used to enhance lectures on the techniques of monitoring the fetal/maternal condition and the progress of the labor. Complications of labor and birth are examined, and the hands-on skills required for response to those situations are discussed and demonstrated.

Prerequisites: NCB 610

Elective: NCB 710E Natural Childbirth IV: Postpartum Management

(3 lecture credits)

This course begins with the third stage of birth, delivery of the placenta, and concludes with the six weeks of postpartum. The effects of pregnancy resolution and the beginning of motherhood on a woman's body, mind, and spirit are studied. Students are taught practical skills such as perineal repair, bladder catheterization, IV insertion, blood loss estimation, management of postpartum hemorrhage, and breast-feeding support, as well as an appreciation for the dynamics of personal and familial transition during this period.

Prerequisites: NCB 610

Elective: NCB 720E Natural Childbirth V: Neonatology

(3 lecture credits)

This course educates both the naturopathic physician and the ND obstetrical specialist on case management of the mature fetus and newborn to 12 weeks of age. Lectures include a review of fetal development from 34 weeks gestation, transition anatomy-physiology in the neonate, normal newborn assessment, screening/treatment for newborn anomalies, and neonatal resuscitation.

Prerequisites: NCB 610, NOS 632

Elective: NCB 730E Natural Childbirth VI: Special Topics in Natural Childbirth

(2 lecture credits)

This seminar provides students with the opportunity to research topics of special interest and share information with colleagues. Topics presented by the course instructors include developing childbirth education classes, counseling and grief in pregnancy loss, and adoption. Additionally, this course covers water births, working with related social agencies, and intubation training.

Prerequisites: NCB 610

Elective: NCB 740E Natural Childbirth VII: Legal Aspects of Obstetrics/Midwifery

(1 lecture credit)

Medical, legal, and malpractice issues are discussed with respect to different states, as well as requirements for licensure.

Prerequisite: NCB 610

Naturopathic Philosophy and Practice

These courses provide the historical, philosophical, legal, and practical aspects of naturopathic practice. The philosophy courses are introductions to the theoretical basis of naturopathic medicine. Although all courses in the ND program are based on naturopathic philosophy, these courses offer an in-depth understanding of the foundation upon which naturopathic medicine is built.

NPH 410 Naturopathic Medical History, Philosophy & Therapeutics

(2 lecture credits)

This lecture and discussion course introduces the philosophical basis of naturopathic medicine and the role of the naturopathic physician in today's world. Students will examine the roots of naturopathic medicine and the historical development of naturopathic philosophy. Emphasis is placed on the six guiding principles of naturopathic care: The healing power of nature, Treat the whole person, First do no harm, Identify and treat the cause, Prevention, Doctor as teacher.

NPH 411 Naturopathic Retreat

(1.5 lecture credits)

This weekend retreat provides an opportunity to discuss and experience nature-cure and related therapies in a natural setting.

NPH 511 Naturopathic Medical Philosophy & Therapeutics

(1 lecture credit)

Students will examine the development of naturopathic philosophy, discuss

the principles of natural healing, and examine naturopathic therapeutic systems and their relationships to the underlying philosophy.

NPH 610 Naturopathic Medical Philosophy Tutorial

(1.5 lecture credits)

Case-based module designed to promote integration of naturopathic principles and philosophy in a small group setting. The goal of this module is to support solutions to clinical problems and encourage diagnostic strategies and selection of therapeutics informed by naturopathic medical philosophy.

NPH 531 Naturopathic Medical Ethics

(1 lecture credit)

This is an interactive course that explores ethical principles universal in all branches of medicine, while examining the ethical principles unique to naturopathic medicine. Material presented includes ethical issues generated by students themselves, as well as case studies and information provided by the Oregon Board of Naturopathic Examiners.

NPH 723/733 Business/Practice Seminar I, II

(2 lecture credits each)

These courses focus on the development of a business plan, while emphasizing the knowledge and skills necessary to formulate one. Financial management, office organization, hiring of personnel, and other relevant topics are also discussed.

Prerequisites: third-year status

ND Course Descriptions, cont.

NPH 731 Medical Jurisprudence

(1 lecture credit)

This course surveys medical health care law as it applies to naturopathic physicians. This includes licensing and regulations, reporting, informed consent, confidentiality, advance directives, HIPAA, malpractice, and provider services agreements.

Prerequisites: fourth-year status

Naturopathic Clinical Sciences

These courses present the naturopathic perspective on diagnosis, prevention, and treatment of disease by system and region. They integrate multiple treatment forms with the principles of naturopathic philosophy into case management, along with criteria for referral.

NOS 613 Gynecology

(3 lecture credits)

This course focuses on the diagnosis, management, and treatment of gynecological problems. Students will learn evidence-based, effective naturopathic treatment protocols. Criteria for referral to specialist and integration of naturopathic medicine with conventional medicine are also covered.

Prerequisites: CLS 510/520/530

NOS 615 Gynecology Lab

(1 lab credit)

This laboratory course teaches examination and procedures associated with gynecological diagnosis and treatment.

Prerequisites: NOS 613, or NOS 613 concurrently

NOS 630 Cardiology

(3 lecture credits)

This course focuses on pathophysiology, diagnosis, and treatment of conditions affecting the heart, circulatory system, and lungs. Students are taught to assess and treat common conditions and to refer effectively when necessary.

Prerequisites: CLS 510/520/530

NOS 632 Pediatrics

(3 lecture credits)

This course focuses on a thorough review of physical examination, recognition of normal variations, and diagnosis of the pediatric conditions encountered in a general family practice. Appropriate use of referral is stressed, along with the therapy and management of disorders. Guest lecturers discuss their specialty areas.

Prerequisites: CLS 510/520/530

Elective: NOS 699E Advanced Pediatrics

(2 lecture credits)

This course takes an in-depth look at the care and management of children. In-office management of common pediatric illnesses and complaints, how to deal with parents and other caregivers, understanding children's particular needs in medical situations, handling pediatric referrals and emergencies, and recognizing developmental milestones will be discussed in detail.

NOS 710 Eyes, Ears, Nose & Throat

(2 lecture credits)

Upon completion of this course, students will have the skills required for diagnosing, treating, and referring common and dangerous ophthalmologic

and otolaryngeal problems. Emphasis is placed on integrating naturopathic therapeutics as they are informed by naturopathic philosophy and evidence-based medicine.

Prerequisites: CLS 510/520/530

NOS 711 Dermatology

(2 lecture credits)

This course emphasizes the diagnosis of common and serious skin lesions. The principles of nonsuppressive and curative therapies are discussed, as are conventional medical treatments.

Prerequisites: CLS 510/520/530, CLS 512/522/532/542

NOS 712 Endocrinology

(2 lecture credits)

This course focuses on the complex interactions of the body's hormonal systems and the causes and effects of metabolic and hormonal imbalance. Diagnosis and treatment of common endocrine disorders are presented.

Prerequisites: CLS 510/520/530, CLS

512/522/532/542, CLS 513/523/533

NOS 714 Geriatrics

(1 lecture credit)

This course covers the process of aging and the psychosocial and physical problems of older people. Diagnostic and therapeutic techniques are discussed. Emphasis is placed on preventing, reversing or retarding degenerative changes, and on maximizing health.

Prerequisites: CLS 510/520/530

NOS 720 Neurology

(2 lecture credits)

This course covers the basic neurological exam, diagnosis, management, and naturopathic and conventional treatment

of nervous system diseases. Appropriate collaboration with specialists is stressed.

Prerequisites: CLS 510/520/530

NOS 721 Urology

(2 lecture credits)

This course covers the naturopathic and conventional diagnosis and treatment of diseases affecting the urinary tract and the male genital system.

Prerequisites: CLS 510/520/530

NOS 723 Proctology

(1 lecture credit)

This course teaches students the diagnosis, assessment, and treatment of conditions of the anus and rectum. The use of office surgical techniques is emphasized.

Prerequisites: CLS 510/520/530, PHM 631

NOS 725 Oncology

(2 lecture credits)

This course covers diagnostic, etiologic, prognostic, preventive, and epidemiologic information for cancers of common sites. Conventional, alternative, and innovative approaches are discussed.

Prerequisites: CLS 510/520/530

NOS 732 Gastroenterology

(2 lecture credits)

This course concentrates on the disorders of the digestive tract and associated organs. Physical exam, lab and x-ray studies, management and treatment of GI diseases, as well as optimization of digestive function are explored through lecture and case discussions.

Prerequisites: CLS 510/520/530, CLS 512/522/532/542

Physical Medicine

The physical medicine curriculum leads students to understand the relationships between structural distortion and physiological dysfunction. Techniques and procedures for assessment and treatment are taught. These techniques are widely varied in their directness, intensity, origin, and conceptual framework.

PHM 412 Hydrotherapy

(1 lecture credit with 1 lab credit)

This is a combined lecture/lab course covering the principles and procedures of using water for healing. Students learn procedures by administering and receiving treatments.

Prerequisite: NPH 410

PHM 416/426 Palpation Lab I, II

(1 lab credit each)

In this lab course, students are taught surface anatomy and palpation techniques. The course is structured to allow for supervised hands-on practice in class. Students practice palpation on each other. This course solidifies the knowledge learned in Musculoskeletal Anatomy and prepares the student for courses in physical diagnosis, orthopedics, and naturopathic manipulative therapies.

Prerequisites: concurrent enrollment in BAS 410/420

Elective: PHM 401E Bodywork I: Massage Foundations

(1 lab credit)

Bodywork I is the foundation course for Bodywork II and III. It teaches the basic language and strokes of Swedish massage. Students learn by giving and receiving treatments while being guided in hands-on classes.

Elective: PHM 402E Bodywork II: Advanced Massage

(1 lab credit)

Bodywork II covers advanced massage techniques—trigger point work and therapeutic touch. Students learn by giving and receiving treatments in supervised hands-on classes.

Prerequisites: PHM 401E

Elective: PHM 403E Bodywork III: Energy Work

(1 lab credit)

Bodywork III teaches students to open, become sensitive to, and develop their energy work. This is taught in several ways, including subtle energy techniques and the vocabulary of energy. Respect for personal boundaries is emphasized.

Prerequisites: PHM 401E

Elective: PHM 510E Colonic Hydrotherapy

(1 lecture credit)

This course explores the history, use, and effectiveness of colonic hydrotherapy. Students will learn indications, contraindications, treatment protocols, and supportive therapies.

Prerequisites: BAS 412/422/432

PHM 511/521 Physiotherapy I, II

(1 lab credit)

This lab course covers the physics, physiology, indications, contraindications, and practical application of the major physiotherapy modalities. Students learn when and how to apply electrical stimulation, ultrasound, hot and cold, phototherapy, and vibration to bring a patient's physiology into balance.

ND Course Descriptions, cont.

Students learn to apply these modalities by practicing on each other while being guided in hands-on labs.

PHM 512/522 Office Orthopedics I, II

(1 lab credit)

This combined lecture/lab course explores the identification and diagnosis of neuromusculoskeletal conditions. Palpation skills are integrated with history-taking and physical examination procedures. The course emphasizes critical clinical thinking and diagnosis. Students learn by practicing on each other while being guided in hands-on labs.

Prerequisites: PHM 416/426, BAS 410/420/430

PHM 515E/516E/517E/518E/519E Somatic Re-Education I, II, III, IV, V

(1 lab credit each)

Somatic Re-Education is an interactive approach to human learning that uses touch and movement to bring about improved cognitive and physical abilities. This gentle, noninvasive approach to physical medicine provides an alternative for working with patients for whom traditional manipulation is not an optimal procedure.

Prerequisites: PHM 516E for PHM 517E, PHM 517E for PHM 518E, PHM 518E for PHM 519E

PHM 520/530/610/640 Naturopathic Manipulative Therapeutics I, II, III, IV

(1 lecture credit each)

This series of lecture courses refines, integrates, and expands upon the concepts and procedures of Palpation, Hydrotherapy, Physiotherapy, Office Orthopedics, and the Naturopathic Manipulative Therapies Labs. Emphasis is

on the physiology of euromusculoskeletal injury and dysfunction and on the physiologic effects of manual therapies. Students gain the tools needed to critically evaluate physical medicine modalities.

Prerequisites: PHM 416/426, CLS 510/520, PHM 512/522, concurrent enrollment in CLS 530

PHM 520L/530L/610L/640L/650L Naturopathic Manipulative Therapeutics Labs I, II, III, IV, V

(1 lab credit each)

Students learn to assess and treat soft-tissue and joint dysfunctions using gentle, effective, and efficient techniques. These techniques are drawn from osteopathic and chiropractic sources and are based on the most advanced models and understanding of soft-tissue and joint dysfunctions. Students learn by assessing and treating each other during guided hands-on practice with an emphasis on safety.

NMT I: Thoracic spine and ribs

NMT II: Lumbar spine and pelvis

NMT III: Cervical spine

NMT IV: Upper and lower extremity

NMT V: Review and correlation

Prerequisites: PHM 416/426, CLS 510/520, PHM 512/522, concurrent enrollment in CLS 530

PHM 621/631 Minor Surgery I, II

(2 lecture credits with .5 lab credit each)

These courses teach students to diagnose conditions that are safely treated by surgery in the office along with the principles and practical techniques involved in the performance and follow-up of office surgical procedures.

Prerequisites: CLS 510/520/530, PHM 621 for PHM 631

PHM 630 Exercise Therapeutics

(2 lecture credits)

Students learn the principles of using exercise as a preventive and therapeutic tool. They are taught to perform fitness assessments, help patients set goals, and prescribe exercise programs.

Prerequisites: BAS 412/422/432, BAS 417/427/437, CLS 510/520/530

Elective: PHM 699E Nature Cure

(2 lecture credits)

This class emphasizes the essence of natural medicine as taught by the founding naturopathic doctors. Students will practice water and herbal therapies, poultices, Cayce treatments and other therapies on themselves and each other. There are opportunities to experience an internal cleansing/detoxification, learn practical applications, and hear case experiences of natural, safe remedies.

Elective: PHM 710E IV Therapy

(1 lecture credit with .75 lab credit)

Students learn the basic clinical rationale for IV therapy, how to treat complications and handle common emergencies that can occur during IV therapy, and successful IV catheter insertion.

Elective: PHM 740E Advanced Minor Surgery

(3 lecture credits)

Upon completion of this course, students will have a broader knowledge of surgical procedures, treatment, and follow-up. Various new suturing techniques will enable them to handle a wider variety of cases.

Prerequisites: PHM 621/631

ND Residency Program

At the end of the four-year program, NDs become licensed physicians and practice once they have passed the NPLEX board exams and complete state licensure requirements. Opportunities are increasingly becoming available to further clinical education in the form of naturopathic residencies. NCNM leads the profession in developing the first and largest residency program, certified by the Council on Naturopathic Medical Education (CNME). Currently, residency placement is a highly competitive process. This year, there are approximately 60 candidates competing for 15 positions, both locally and nation wide. Residency candidates must demonstrate professionalism, maturity, commitment to serve, excellent clinical abilities, and an aptitude for enhancing their clinical skills.

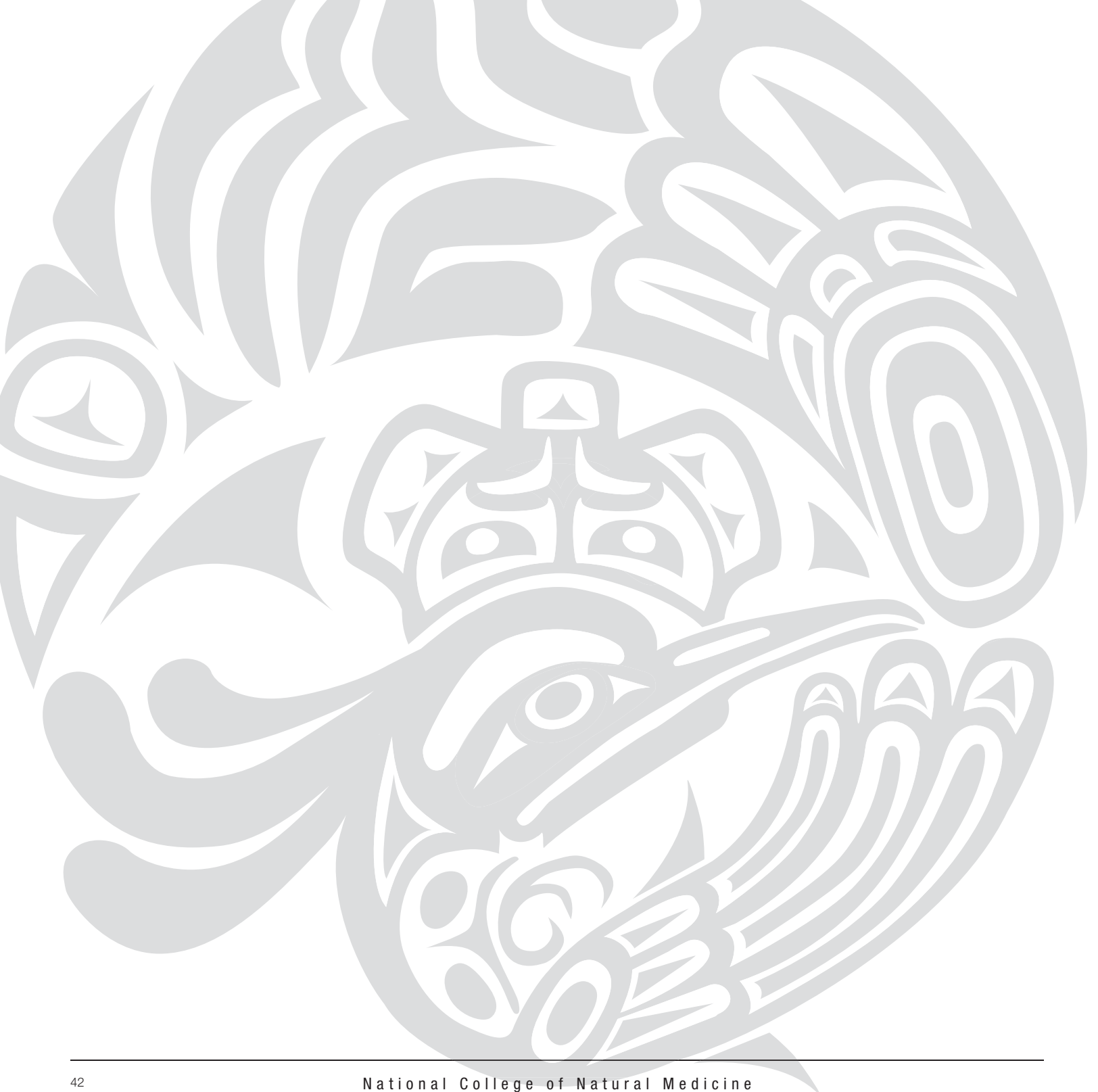
NCNM is committed to assisting the profession in developing an adequate number of resident opportunities to allow qualified graduates of all accredited naturopathic degree programs to participate in a residency. For the most current information, check our web site at www.ncnm.edu.

Deadlines for 2007-2008 Academic Year

November 20, 2006	2007-2008 Residency applications available
November 27, 2006	Residency selection committee begins accepting applications
January 19, 2007	Applications due by 5 p.m.
January 22, 2007	Residency selection committee begins review of applications
February 5, 2007	NCNM provides written notification confirming eligibility and instructions for interview processes at all participating sites
February 12, 2007	Interview scheduling begins
March 30, 2007	Deadline for completion of interviews
April 10, 2007	Initial offer letters sent to selected candidates
May 1, 2007	Deadline for candidates to submit signed Statement of Intent form

For further information regarding the residency program, please go to www.ncnm.edu or contact Dr. Sheryl Owen at sowen@ncnm.edu or at 503-552-1851.





ND Four Year Curriculum

first year

Course #	FIRST YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
BAS410	Musculoskeletal Anatomy I			24	24	2.00
BAS412	Organ Systems A & P I			72	72	6.00
BAS411	Anatomy Lab I		24		24	1.00
BAS417	Cellular Systems w/Tutorial		12	36	48	3.50
BAS414	Medical Histology		24	36	60	4.00
BAS418	Basic Science Clinical Correlate I		24		24	1.00
NPH531	Medical Ethics			12	12	1.00
NPH410	Naturopathic Med History & Phil & Ther I			24	24	2.00
PHM416	Palpation I Lab		24		24	1.00
BAS434	Research and Statistics			24	24	2.00
		0.00	108.00	228.00	336.00	23.50
Course #	FIRST YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
BAS420	Musculoskeletal Anatomy II			24	24	2.00
BAS421	Anatomy Lab II		24		24	1.00
BAS422	Organ Systems A & P II			72	72	6.00
BAS427	Cellular Systems			36	36	3.00
BAS427T	Cellular Systems Tutorial		12		12	0.50
BAS428	Basic Science Clinical Correlate II		24		24	1.00
BAS440	Microbiology/Public Health I			36	36	3.00
PSY530	Holistic Model and Mind/Body/Spirit Medicine			12	12	1.00
PHM426	Palpation II Lab		24		24	1.00
PSY420	Mind/Body Assessment I w/Lab		18	12	30	1.75
		0.00	102.00	192.00	294.00	20.25
Course #	FIRST YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
BAS432	Organ Systems A & P III			84	84	7.00
BAS431	Anatomy Lab III		12		12	0.50
BAS437	Cellular Systems			36	36	3.00
BAS437T	Cellular Systems Tutorial		12		12	0.50
BAS438	Basic Science Clinical Correlate III		24		24	1.00
CLS512	Pathology I			36	36	3.00
CLE430	Introduction to Clinic	12.00			12.00	0.50
BAS441	Microbiology & Public Health II			36	36	3.00
PHM412	Hydrotherapy w/Lab		24	12	36	2.00
NPH510	Intro Chinese Medicine or			36	36	3.00
CCM418	Intro Classical Chinese Medicine					
NPH411	Naturopathic Retreat			18	18	1.50
		12.00	72	258	342	25.00
	FIRST YEAR CREDIT TOTALS	12.00	282.00	678.00	972.00	68.75

ND Four Year Curriculum

second year

Course #		Clinic	Lab	Lecture	Hours	Credits
SECOND YEAR FALL						
NPH511	Naturopathic Medical Phil & Ther II			12	12	1.00
CLS510	Clinical/Physical Diagnosis I			60	60	5.00
CLS510L	Physical Diagnosis Lab I		24		24	1.00
CLS522	Pathology II			48	48	4.00
CLS513	Lab Diagnosis I			24	24	2.00
CLS513L	Lab Diagnosis I Lab		12		12	0.50
CLS516	Pharmacology I			36	36	3.00
HOM510	Intro Homeopathy			24	24	2.00
CLS514	Clinical Case Presentations I		24		24	1.00
PHM512	Office Orthopedics I		24		24	1.00
CLE510	Clinical Rotation Hydro/Massage	36.00			36	1.50
		36.00	84.00	204.00	324.00	22.00
SECOND YEAR WINTER						
BOT520	Botanical Materia Medicia I			36	36	3.00
CLS520	Clinical/Physical Diagnosis II			60	60	5.00
CLS520L	Physical Diagnosis Lab II		24		24	1.00
CLS532	Pathology III			36	36	3.00
CLS523	Lab Diagnosis II			24	24	2.00
CLS523L	Lab Diagnosis II Lab		12		12	0.50
CLS526	Pharmacology II			36	36	3.00
HOM520	Homeopathy I			24	24	2.00
CLS524	Clinical Case Presentation II		24		24	1.00
CLE520	Clinical Rotation Hydro/Massage	36.00			36.00	1.50
PHM522	Office Orthopedics II		24		24.00	1.00
		36.00	84.00	216.00	336.00	23.00
SECOND YEAR SPRING						
BOT530	Botanical Materia Medica II			24	24.00	2.00
CLS530	Clinical Physical Diagnosis III			60	60.00	5.00
CLS530L	Physical Diagnosis Lab III		24		24.00	1.00
CLS533	Lab Diagnosis III			24	24.00	2.00
CLS533L	Lab Diagnosis III Lab		12		12.00	0.50
HOM530	Homeopathy II			24	24.00	2.00
NUT530	Nutrition I			36	36.00	3.00
CLS534	Clinical Case Presentation III		24		24.00	1.00
PHM520	Naturopathic Manipulative Ther I			12	12.00	1.00
PHM520L	Naturopathic Man. Ther Lab I		24		24.00	1.00
CLS542	Pathology IV			48	48.00	4.00
CLE942A	Clinic Education	24.00			24.00	1.00
		24.00	84.00	228	336	23.50
	SECOND YEAR TOTALS	96.00	252.00	648.00	996.00	68.50

ND Four Year Curriculum

third year

Course #	THIRD YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
BOT610	Botanical Materia Medica III			36	36.00	3.00
CLS614	Diagnostic Imaging I			24	24.00	2.00
HOM610	Homeopathy III			36	36.00	3.00
PHM530	Naturopathic Man. Ther. II			12	12.00	1.00
PHM530L	Naturopathic Man. Ther II Lab		24		24.00	1.00
NOS613	Gynecology			36	36.00	3.00
NUT611	Nutrition II			36	36.00	3.00
NCB610	Natural Childbirth I			36	36.00	3.00
CLE710	Clinic Secondary Shift # 1	48.00			48.00	2.00
CLE711	Clinic Secondary Shift # 2	48.00			48.00	2.00
CLE972A	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE717	Clinic Medicinary Practicum	24.00			24.00	1.00
CLE716F	Clinic Lab Practicum	12.00			12.00	0.50
PHM511	Physiotherapy I w/ Lab		24		24.00	1.00
		156.00	48	216	420.00	26.50
Course #	THIRD YR WINTER	Clinic	Lab	Lecture	Hours	Credits
CLS624	Diagnostic Imaging II			36	36.00	3.00
PSY610	Mind/Body Assessment II w/Lab		12	12	24.00	1.50
HOM620	Homeopathy IV			36	36.00	3.00
PHM521	Physiotherapy II w/ Lab		24		24.00	1.00
NUT622	Nutrition III			36	36.00	3.00
PHM621	Minor Surgery I with Lab		12	24	36.00	2.50
PHM610	Nat. Manipulative Ther III			12	12.00	1.00
PHM610L	Nat. Manipulative Ther III Lab		24		24.00	1.00
NOS732	Gastroenterology			24	24.00	2.00
CLE712	Clinic Secondary Shift #3	48.00			48.00	2.00
CLE713	Clinic Secondary Shift #4	48.00			48.00	2.00
CLE972B	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE716W	Clinic Lab Practicum	12.00			12.00	0.50
NPH723	Business Practice Seminar I			24	24.00	2.00
		132.00	72.00	204.00	408.00	25.50
Course #	THIRD YR SPRING	Clinic	Lab	Lecture	Hours	Credits
CLS634	Diagnostic Imaging III			24	24.00	2.00
NOS630	Cardiology			36	36.00	3.00
NOS632	Pediatrics			36	36.00	3.00
NUT633	Nutrition IV			36	36.00	3.00
PHM631	Minor Surgery II with lab		12	24	36.00	2.50
CLS632	First Aid & Emergency Medicine			24	24.00	2.00
NOS615	Gynecology Lab***		24		24.00	1.00
NPH610	Naturopathic Medical Phil Tutorial ***			18	18.00	1.50
PHM640	Nat. Manipulative Ther IV			12	12.00	1.00
PHM640L	Nat. Manipulative Ther IV Lab		24		24.00	1.00
CLE714	Clinic Secondary Shift #5	48.00			48.00	2.00
CLE715	Clinic Secondary Shift #6	48.00			48.00	2.00
CLE972E	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE716S	Clinic Lab Practicum	12.00			12.00	0.50
		132.00	60	210	402.00	25.500
	THIRD YEAR TOTALS	420.00	180.00	630.00	1230.00	77.50

***This course may be taken any term during the 3rd year

ND Four Year Curriculum

fourth year

Course #	FOURTH YEAR SUMMER	Clinic	Lab	Lecture	Hours	Credits
CLE718	Clinic X-Ray Practicum	24.00			24.00	1.00
CLE810	Clinic Senior Lab Post	12.00			12.00	0.50
CLE824	Clinic Primary Shift #1	48.00			48.00	2.00
CLE825	Clinic Primary Shift #2	48.00			48.00	2.00
CLE822	Clinic Primary Shift #3	48.00			48.00	2.00
CLE846	Clinic Field Observation *	264.00			264.00	11.00
CLE930	Clinic Community Service*	24.00			24.00	1.00
	SUMMER TOTALS	468.00	0.00	0.00	468.00	19.50

Course #	FOURTH YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
NOS710	Eye,Ears,Nose,Throat			24	24.00	2.00
CLS631	Environmental Medicine			24	24.00	2.00
NOS711	Dermatology			24	24.00	2.00
PSY722	Mind/Body Assessment III			30	30.00	2.50
NOS714	Geriatrics			12	12.00	1.00
PHM630	Exercise Therapeutics			24	24.00	2.00
PHM650L	Nat. Man. Ther. V Lab		24		24.00	1.00
CLE812	Clinic Primary Shift #4	48.00			48.00	2.00
CLE813	Clinic Primary Shift #5	48.00			48.00	2.00
CLE814	Clinic Primary Shift #6	48.00			48.00	2.00
CLE972D	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
		168.00	24.00	138.00	330.00	19.50

Course #	FOURTH YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
NOS720	Neurology			24	24.00	2.00
NOS721	Urology			24	24.00	2.00
NOS723	Proctology			12	12.00	1.00
NOS712	Endocrinology			24	24.00	2.00
PSY720	Managing Clinical Encounters Holistically			30	30.00	2.50
CLS999	Thesis			12	12.00	1.00
CLE815	Clinic Primary Shift #7	48.00			48.00	2.00
CLE816	Clinic Primary Shift #8	48.00			48.00	2.00
CLE817	Clinic Primary Shift #9	48.00			48.00	2.00
CLE942	Clinic Education	12.00			12.00	0.50
CLE972E	Clinic Grand Rounds	12.00			12.00	0.50
		168.000	0.000	126.000	294.000	17.500

Course #	FOURTH YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CLS621	Medical Genetics			24	24.00	2.00
NPH731	Jurisprudence			12	12.00	1.00
NPH733	Business Practice Seminar II			24	24.00	2.00
NOS725	Oncology			24	24.00	2.00
CLE818	Clinic Primary Shift #10	48.00			48.00	2.00
CLE819	Clinic Primary Shift #11	48.00			48.00	2.00
CLE820	Clinic Primary Shift #12	48.00			48.00	2.00
CLE821	Clinic Primary Shift #13*	48.00			48.00	2.00
CLE972F	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
		216.00	0.00	84.00	300.00	16.00
	FOURTH YEAR TOTALS	1020.00	24.00	348.00	1392.00	72.50

*These hours are cumulative and may actually be earned in a term other than term registered.

ND Four Year Curriculum

electives

Course #	Electives	TERM OFFERED	Lab	Lecture	Hours	Credits
PHM740E	Advanced Minor Surgery	4th Yr F		36	36	3.00
PHM510E	Colonics	3rd Yr F		12	12	1.00
HOM630E	Homeopathy V	3rd Yr S		36	36	3.00
HOM710E	Homeopathy VI	4th F		36	36	3.00
HOM720E	Homeopathy VII	4th Yr W		36	36	3.00
HOM730E	Homeopathy VIII	4th Yr S		36	36	3.00
BOT443 E	Northwest Herbs I	1st Yr F		24	24	2.00
BOT453E	Northwest Herbs II	1st Yr W		24	24	2.00
BOT463E	Northwest Herbs III	1st Yr S		24	24	2.00
BOT620E	Advanced Topics Botanical Medicine I	3rd Yr W		36	36	3.00
BOT630E	Advanced Topics Botanical Medicine II	3rd Yr S		36	36	3.00
NCB620E	Natural Childbirth II	3rd Yr W		36	36	3.00
NCB630E	Natural Childbirth III:Labor & Delivery	3rd Yr S		36	36	3.00
NCB710E	Natural Childbirth IV:Postpartum Mgm	4th Yr F		36	36	3.00
NCB720E	Natural Childbirth V:Neonatology	4th Yr W		36	36	3.00
NCB730E	Natural Childbirth VI:Special Topics	4th Yr S		24	24	2.00
NCB740E	Natural Childbirth VII:Legal Aspects	4th Yr S		12	12	1.00
CLS640E	Natural Pharmacology	3rd Yr S		24	24	2.00
PHM401E	Bodywork I Massage Foundations	1st Yr F	24		24	1.00
PHM402E	Bodywork II Advanced Massage	1st Yr W	24		24	1.00
PHM403E	Bodywork III Energy Work	1st Yr S	24		24	1.00
PHM515E	Somatic Re-Education I	All Terms	24		24	1.00
PHM516E	Somatic Re-Education II	All Terms	24		24	1.00
PHM517E	Somatic Re-Education III	Variable	24		24	1.00
PHM518E	Somatic Re-Education IV	Variable	24		24	1.00
PHM519E	Somatic Re-Education V	Variable	24		24	1.00
CLS644E	Clinical Case Presentation IV	4th Yr W	24		24	1.00
CLS710E	Clinic Synthesis I					0.50
CLS711E	Clinic Synthesis II					0.50
CLS712E	Clinic Synthesis III					0.50
PSY499E	Personal Development as a Physician					1.50
PSY691E	Psychiotherapy					2.50
CLS650E	Vaccination					1.50
PHM710E	IV Therapy	All Term	18	12	30	1.75
CLS643E	The Liver in Health & Disease	Winter/Spring		24	24	2.00
NOS699E	Advanced Pediatrics	Spring		24	24	2.00
PHM699E	Nature Cure	Variable		24	24	2.00
			234	624	858	68.75

ND Five Year Curriculum

first year

Course #		Clinic	Lab	Lecture	Hours	Credits
BAS410	FIRST YEAR FALL Musculoskeletal Anatomy I			24	24	2.00
BAS412	Organ Systems A & P I			72	72	6.00
BAS411	Anatomy Lab I		24		24	1.00
NPH531	Ethics			12	12	1.00
BAS414	Medical Histology w/Lab		24	36	60	4.00
BAS418	Basic Science Clinical Correlate I		24		24	1.00
NPH410	Naturopathic Med History & Phil & Ther I			24	24	2.00
PHM416	Palpation I Lab		24		24	1.00
BAS434	Research & Statistics			24	24	2.00
			96.00	192.00	288.00	20.00
Course #	FIRST YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
BAS420	Musculoskeletal Anatomy II			24	24	2.00
BAS422	Organ Systems A & P II			72	72	6.00
BAS421	Anatomy Lab I		24		24	1.00
BAS428	Basic Science Clinical Correlate II		24		24	1.00
NPH411	Naturopathic Retreat*			18	18	1.50
PSY530	Holistic Model and Mind/Body/Spirit Medicine			12	12	1.00
PHM426	Palpation II Lab		24		24	1.00
BAS440	Microbiology & Public Health I			36	36	3.00
PSY420	Mind/Body Assessment I			12	12	1.00
PSY420L	Mind/Body Assessment I Lab		18		18	0.75
			90.00	174.00	264.00	18.25
Course #	FIRST YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
BAS432	Organ Systems A & P III			84	84	7.00
BAS431	Anatomy Lab III		12		12	0.50
BAS438	Basic Science Clinical Correlate III		24		24	1.00
NPH510	Intro Chinese Medicine			36	36	3.00
PHM412	Hydrotherapy w/Lab		24	12	36	2.00
CLS512	Pathology I			36	36	3.00
CLE430	Introduction to Clinic	12.00			12.00	0.50
BAS441	Microbiology & Public Health II			36	36	3.00
		12.00	60.00	204.00	276.00	20.00
	FIRST YEAR CREDIT TOTALS	12.00	246.00	570.00	828.00	58.25

* May be taken fall/winter/spring

ND Five Year Curriculum

second year

Course #		Clinic	Lab	Lecture	Hours	Credits
SECOND YEAR FALL						
NPH511	Naturopathic Medical Phil & Ther I			12	12	1.00
CLS510	Clinical/Physical Diagnosis I			60	60	5.00
CLS510L	Physical Diagnosis Lab I		24		24	1.00
CLS522	Pathology II			48	48	4.00
CLS513	Lab Diagnosis I			24	24	2.00
CLS513L	Lab Diagnosis I Lab		12		12	0.50
CLS514	Clinical Case Presentations I		24		24	1.00
PHM512	Office Orthopedics I		24		24	1.00
CLE510	Clinical Rotation Hydro/Massage*	36.00			36	1.50
BAS417	Cellular Systems			36	36	3.00
BAS417T	Cellular Systems Tutorial		12		12	0.50
		36.00	96.00	168.00	300.00	19.50
SECOND YEAR WINTER						
BOT520	Botanical Materia Medica I			36	36	3.00
CLS520	Clinical/Physical Diagnosis II			60	60	5.00
CLS520L	Physical Diagnosis Lab II		24		24	1.00
CLS532	Pathology III			36	36	3.00
CLS523	Lab Diagnosis II			24	24	2.00
CLS523L	Lab Diagnosis II Lab		12		12	0.50
BAS427	Cellular Systems			36	36	3.00
BAS427T	Cellular Systems Tutorial		12		12	0.50
CLS524	Clinical Case Presentation II		24		24	1.00
CLE520	Clinical Rotation Hydro/Massage*	36.00			36.00	1.50
PHM522	Office Orthopedics II		24		24.00	1.00
		36.00	96.00	192.00	324.00	21.50
SECOND YEAR SPRING						
BOT530	Botanical Materia Medica II			24	24.00	2.00
CLS530	Clinical Physical Diagnosis III			60	60.00	5.00
CLS530L	Physical Diagnosis Lab III		24		24.00	1.00
CLS533	Lab Diagnosis III			24	24.00	2.00
CLS533L	Lab Diagnosis III Lab		12		12.00	0.50
NUT530	Nutrition I			36	36.00	3.00
CLS534	Clinical Case Presentation III		24		24.00	1.00
PHM520	Naturopathic Manipulative Ther I			12	12.00	1.00
PHM520L	Naturopathic Man. Ther Lab I		24		24.00	1.00
CLS542	Pathology IV			48	48.00	4.00
BAS437	Cellular Systems			36	36	3.00
BAS437T	Cellular Systems Tutorial		12		12	0.50
CLE942A/B	Clinic Education	24.00			24.00	1.00
		24.00	96.00	240.00	360.00	25.00
	SECOND YEAR TOTALS	96.00	288.00	600.00	984.00	66.00

*May be taken Summer, Fall, Winter or Spring. Need 72 hours total.

ND Five Year Curriculum

third year

Course #		Clinic	Lab	Lecture	Hours	Credits
THIRD YEAR FALL						
BOT610	Botanical Materia Medica III			36	36.00	3.00
PHM530	Naturopathic Man. Ther. II			12	12.00	1.00
PHM530L	Naturopathic Man. Ther II Lab		24		24.00	1.00
NUT611	Nutrition II			36	36.00	3.00
CLE972A	Clinic Grand Rounds	24.00			24.00	1.00
CLE716F	Clinic Lab Practicum	12.00			12.00	0.50
CLS516	Pharmacology I			36	36	3.00
NOS613	Gynecology			36	36.00	3.00
HOM520F	Intro Homeopathy			24	24	2.00
PHM511	Physiotherapy I w/Lab		24		24.00	1.00
CLE710	Clinic Secondary Shift # 1	48.00			48.00	2.00
CLE711	Clinic Secondary Shift # 2	48.00			48.00	2.00
		132.00	48.00	180.00	360.00	22.50
THIRD YR WINTER						
PSY610	Mind/Body Assessment II w/Lab		12	12	24.00	1.50
PHM521	Physiotherapy Lab II w/Lab		24		24.00	1.00
NUT622	Nutrition III			36	36.00	3.00
PHM610	Nat. Manipulative Ther III			12	12.00	1.00
PHM610L	Nat. Manipulative Ther III Lab		24		24.00	1.00
CLS526	Pharmacology II			36	36	3.00
HOM520W	Homeopathy I			24	24	2.00
CLE712	Clinic Secondary Shift #3	48.00			48.00	2.00
CLE713	Clinic Secondary Shift #4	48.00			48.00	2.00
CLE972B	Clinic Grand Rounds	24.00			24.00	1.00
CLE716W	Clinic Lab Practicum	12.00			12.00	0.50
		132.00	60	120	312.00	18.000
THIRD YR SPRING						
NOS615	Gynecology Lab***		24		24.00	1.00
HOM530	Homeopathy II			24	24.00	2.00
NUT633	Nutrition IV			36	36.00	3.00
CLS632	First Aid & Emergency Medicine			24	24.00	2.00
PHM640	Nat. Manipulative Ther IV			12	12.00	1.00
PHM640L	Nat. Manipulative Ther IV Lab		24		24.00	1.00
CLE717	Clinic Medicinary Practicum***	24.00			24.00	1.00
CLE714	Clinic Secondary Shift #5	48.00			48.00	2.00
CLE715	Clinic Secondary Shift #6	48.00			48.00	2.00
CLE972C	Clinic Grand Rounds	24.00			24.00	1.00
CLE716S	Clinic Lab Practicum	12.00			12.00	0.50
NPH610	Naturopathic Medical Phil Tutorial ***			18	18.00	1.50
		156.00	48.00	114.00	318.00	18.000
	THIRD YEAR TOTALS	420.00	156.00	414.00	990.00	58.50

***This course may be taken any term during the 3rd year

ND Five Year Curriculum

fourth year

Course #		Clinic	Lab	Lecture	Hours	Credits
FOURTH YEAR FALL						
CLS614	Diagnostic Imaging I			24	24.00	2.00
HOM610	Homeopathy III			36	36.00	3.00
NCB610	Natural Childbirth I			36	36.00	3.00
PHM650L	Nat. Man. Ther. V Lab		24		24.00	1.00
PSY720	Managing Clinical Encounters Holistically			30	30.00	2.50
CLE824	Clinic Primary Shift #1	48.00			48.00	2.00
CLE972D	Clinic Grand Rounds	24.00			24.00	1.00
		72.000	24.000	126.000	222.000	14.500
FOURTH YEAR WINTER						
CLS624	Diagnostic Imaging II			36	36.00	3.00
HOM620	Homeopathy IV			36	36.00	3.00
PHM621	Minor Surgery I with Lab		12	24	36.00	2.50
NOS732	Gastroenterology			24	24.00	2.00
NPH723	Business Practice Seminar I			24	24.00	2.00
CLE825	Clinic Primary Shift #2	48.00			48.00	2.00
CLE972E	Clinic Grand Rounds	24.00			24.00	1.00
		72.00	12.00	144.00	228.00	15.500
FOURTH YEAR SPRING						
CLS634	Diagnostic Imaging III			24	24.00	2.00
PHM631	Minor Surgery II with lab		12	24	36.00	2.50
NOS630	Cardiology			36	36.00	3.00
NOS632	Pediatrics			36	36.00	3.00
CLE822	Clinic Primary Shift #3	48.00			48.00	2.00
CLE972F	Clinic Grand Rounds	24.00			24.00	1.00
		72.000	12.000	120.000	204.000	13.500
	FOURTH YEAR TOTALS	216.000	48.000	390.000	654.000	43.500

ND Five Year Curriculum

fifth year

Course #	FIFTH YEAR SUMMER	Clinic	Lab	Lecture	Hours	Credits
CLE814	Clinic Primary Shift #6	48.00			48.00	2.00
CLE718	Clinic X-Ray Practicum****	24.00			24.00	1.00
CLE810	Clinic Senior Lab Post	12.00			12.00	0.50
CLE812	Clinic Primary Shift #4	48.00			48.00	2.00
CLE813	Clinic Primary Shift #5	48.00			48.00	2.00
CLE840	Clinic Field Observation 1*	48.00			48.00	2.00
CLE841	Clinic Field Observation 2*	48.00			48.00	2.00
CLE842	Clinic Field Observation 3*	48.00			48.00	2.00
CLE843	Clinic Field Observation 4*	48.00			48.00	2.00
CLE844	Clinic Field Observation 5*	48.00			48.00	2.00
CLE845	Clinic Field Observation 6*	24.00			24.00	1.00
CLE930	Clinic Community Service*	24.00			24.00	1.00
	SUMMER TOTALS	468.00	0.00	0.00	468.00	19.50

****Diagnostic Imaging I,II,III prerequisite

Course #	FIFTH YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
NOS710	Eye,Ears,Nose,Throat			24	24.00	2.00
NOS711	Dermatology			24	24.00	2.00
NOS714	Geriatrics			12	12.00	1.00
CLS631	Environmental Medicine			24	24.00	2.00
PHM630	Exercise Therapeutics			24	24.00	2.00
CLE816	Clinic Primary Shift # 8	48.00			48.00	2.00
CLE815	Clinic Primary Shift # 7	48.00			48.00	2.00
		96.00	0.00	108.00	204.00	13.00

Course #	FIFTH YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
NOS720	Neurology			24	24.00	2.00
NOS721	Urology			24	24.00	2.00
NOS723	Proctology			12	12.00	1.00
NOS712	Endocrinology			24	24.00	2.00
PSY722	Mind/Body Assessment III			30	30.00	2.50
CLS999	Thesis Phase III			12	12.00	1.00
CLE817	Clinic Primary Shift #9	48.00			48.00	2.00
CLE818	Clinic Primary Shift #10	48.00			48.00	2.00
		96.00	0.00	126.00	222.00	14.50

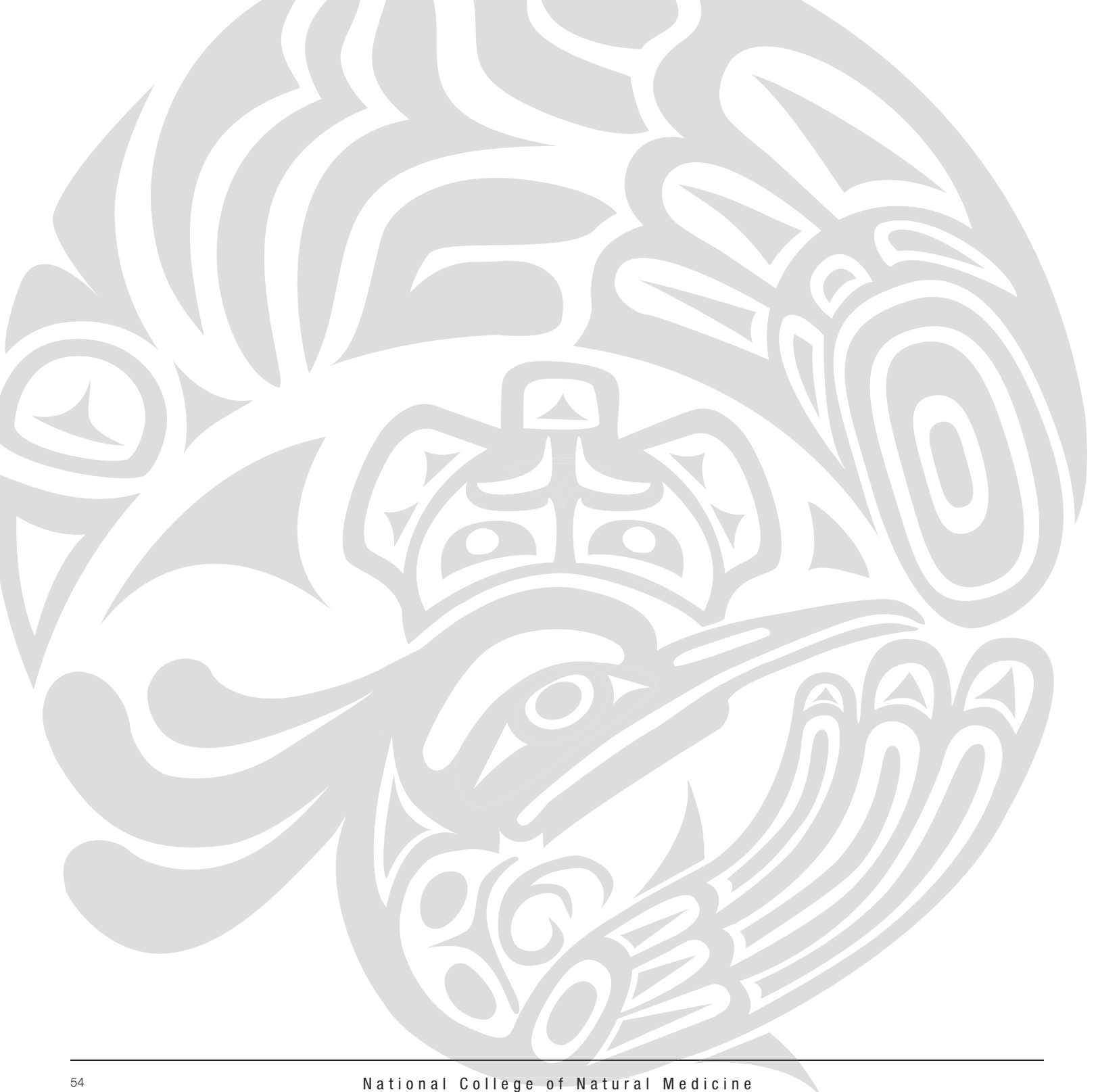
Course #	FIFTH YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
NPH731J	Jurisprudence			12	12.00	1.00
NPH733	Business Practice Seminar II			24	24.00	2.00
NOS725	Oncology			24	24.00	2.00
CLS621	Medical Genetics			24	24.00	2.00
CLE819	Clinic Primary Shift #11	48.00			48.00	2.00
CLE820	Clinic Primary Shift #12	48.00			48.00	2.00
CLE821	Clinic Primary Shift #13	48.00			48.00	2.00
		144.00	0.00	84.00	228.00	13.00
	FIFTH YEAR TOTALS	804.000	0.000	318.000	1122.000	60.000

*These hours are cumulative and may actually be earned in a term other than listed.

ND Five Year Curriculum

electives

Course #	Electives	TERM OFFERED	Lab	Lecture	Hours	Credits
PHM740E	Advanced Minor Surgery	4th Yr F		36	36	3.00
PHM510E	Colonics	3rd Yr F		12	12	1.00
HOM630E	Homeopathy V	3rd Yr S		36	36	3.00
HOM710E	Homeopathy VI	4th F		36	36	3.00
HOM720E	Homeopathy VII	4th Yr W		36	36	3.00
HOM730E	Homeopathy VIII	4th Yr S		36	36	3.00
BOT443 E	Northwest Herbs I	1st Yr F		24	24	2.00
BOT453E	Northwest Herbs II	1st Yr W		24	24	2.00
BOT463E	Northwest Herbs III	1st Yr S		24	24	2.00
BOT620E	Advanced Topics Botanical Medicine I	3rd Yr W		36	36	3.00
BOT630E	Advanced Topics Botanical Medicine II	3rd Yr S		36	36	3.00
NCB620E	Natural Childbirth II	3rd Yr W		36	36	3.00
NCB630E	Natural Childbirth III:Labor & Delivery	3rd Yr S		36	36	3.00
NCB710E	Natural Childbirth IV:Postpartum Mgm	4th Yr F		36	36	3.00
NCB720E	Natural Childbirth V:Neonatology	4th Yr W		36	36	3.00
NCB730E	Natural Childbirth VI:Special Topics	4th Yr S		24	24	2.00
NCB740E	Natural Childbirth VII:Legal Aspects	4th Yr S		12	12	1.00
CLS640E	Natural Pharmacology	3rd Yr S		24	24	2.00
PHM401E	Bodywork I Massage Foundations	1st Yr F	24		24	1.00
PHM402E	Bodywork II Advanced Massage	1st Yr W	24		24	1.00
PHM403E	Bodywork III Energy Work	1st Yr S	24		24	1.00
PHM515E	Somatic Re-Education I	All Terms	24		24	1.00
PHM516E	Somatic Re-Education II	All Terms	24		24	1.00
PHM517E	Somatic Re-Education III	Variable	24		24	1.00
PHM518E	Somatic Re-Education IV	Variable	24		24	1.00
PHM519E	Somatic Re-Education V	Variable	24		24	1.00
CLS644E	Clinical Case Presentation IV	4th Yr W	24		24	1.00
CLS710E	Clinic Synthesis I					0.50
CLS711E	Clinic Synthesis II					0.50
CLS712E	Clinic Synthesis III					0.50
PSY499E	Personal Development as a Physician					1.50
PSY691E	Psychiotherapy					2.50
CLS650E	Vaccination					1.50
PHM710E	IV Therapy	All Term	18	12	30	1.75
CLS643E	The Liver in Health & Disease	Winter/Spring		24	24	2.00
NOS699E	Advanced Pediatrics	Spring		24	24	2.00
PHM699E	Nature Cure	Variable		24	24	2.00
			234	624	858	68.75



ND/MSOM Dual Curriculum *Dual Degree Entering in Third Year ND Program*

first/third year

Course #	FIRST YR CCM/THIRD ND YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
CCM 411	Chinese Organ Systems; Cosmology & Symb I			36	36	3.00
CCM514	Qi Gong I Retreat			12	12	1.00
CCM551	Qi Gong I Practicum		18		18	0.75
HOM610	Homeopathy III			36	36.00	3.00
BOT610	Botanical Materia Medica III			36	36.00	3.00
PHM530	Naturopathic Man. Ther. II			12	12.00	1.00
PHM530L	Naturopathic Man. Ther II Lab		24		24.00	1.00
NUT611	Nutrition II			36	36.00	3.00
CLE710	Clinic Secondary Shift # 1	48.00			48.00	2.00
CLE711	Clinic Secondary Shift # 2	48.00			48.00	2.00
CLE972A	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE717	Clinic Medicinary Practicum	24.00			24.00	1.00
CLE716F	Clinic Lab Practicum	12.00			12.00	0.50
PHM511	Physiotherapy I w/ Lab		24		24.00	1.00
		156.00	66.00	168.00	390.00	23.25
Course #	FIRST YR CCM/THIRD ND WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM 421	Chinese Organ Systems; Cosmology & Symb II			36	36	3.00
CCM425	Chinese Diagnostic Techniques I		12	12	24	1.50
CCM524	Qi Gong II Retreat			12	12	1.00
CCM552	Qi Gong Practicum II		18		18	0.75
PSY610	Mind/Body Assessment II w/Lab		12	12	24.00	1.50
HOM620	Homeopathy IV			36	36.00	3.00
PHM521	Physiotherapy II w/ Lab		24		24.00	1.00
NUT622	Nutrition III			36	36.00	3.00
PHM610	Nat. Manipulative Ther III			12	12.00	1.00
PHM610L	Nat. Manipulative Ther III Lab		24		24.00	1.00
CLE712	Clinic Secondary Shift #3	48.00			48.00	2.00
CLE713	Clinic Secondary Shift #4	48.00			48.00	2.00
CLE972B	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE716W	Clinic Lab Practicum	12.00			12.00	0.50
NPH733	Business Practice Seminar I			24	24.00	2.00
		132.00	90.00	180.00	402.00	24.25
Course #	FIRST YR CCM/THRID ND SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM 434	Chinese Organ Systems; Cosmology & Symb III			36	36	3.00
CCM435	Chinese Diagnostic Techniques II		12	12	24	1.50
CCM426	Palpation & Perception II Lab		24		24	1.00
CCM534	Qi Gong III Retreat			12	12	1.00
CCM553	Qi Gong Practicum III		18		18	0.75
CCM430	Practitioner Cultivation I		12	12	24	1.50
CCM445	Oriental Dietetics		12	12	24	1.50
NUT633	Nutrition IV			36	36.00	3.00
CLS632	First Aid & Emergency Medicine			24	24.00	2.00
NPH610	Naturopathic Medical Phil Tutorial ***			18	18.00	1.50
PHM640	Nat. Manipulative Ther IV			12	12.00	1.00
PHM640L	Nat. Manipulative Ther IV Lab		24		24.00	1.00
CLE714	Clinic Secondary Shift #5	48.00			48.00	2.00
CLE715	Clinic Secondary Shift #6	48.00			48.00	2.00
CLE972E	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
CLE716S	Clinic Lab Practicum	12.00			12.00	0.50
		132.00	102.00	174.00	408.00	24.25
	THIRD YEAR TOTALS	420.00	258.00	522.00	1200.00	71.75

***This course may be taken any term during the 3rd year

ND/MSOM Dual Curriculum *Dual Degree Entering in Third Year ND Program*

second/fourth year

Course #		Clinic	Lab	Lecture	Hours	Credits
CLE718	SECOND YR CCM /4TH ND SUMMER Clinic X-Ray Practicum	24.00			24.00	1.00
CLE810	Clinic Senior Lab Post	12.00			12.00	0.50
CLE824	Clinic Primary Shift #1	48.00			48.00	2.00
CLE825	Clinic Primary Shift #2	48.00			48.00	2.00
CLE822	Clinic Primary Shift #3	48.00			48.00	2.00
CLE846	Clinic Field Observation*	264.00			264.00	11.00
CLE930	Clinic Community Service*	24.00			24.00	1.00
	SUMMER TOTALS	468.00	0.00	0.00	468.00	19.50
Course #	SECOND YEAR CCM/4TH ND FALL	Clinic	Lab	Lecture	Hours	Credits
CCM511	Herbs I w/lab		12	36	48	3.50
CCM512	Acu-Moxa Points I			36	36	3.00
CCM513	Acu-Moxa Techniques I			24	24	2.00
CCM438	Oriental Body Work		24		24	1.00
CCM614	Qi Gong IV Retreat			12	12	1.00
CCM654	Qi Gong Practicum IV		18		18	0.75
CCM412	Chinese Pathology I			24	24	2.00
CLS614	Diagnostic Imaging I			24	24.00	2.00
NOS613	Gynecology			36	36.00	3.00
NCB610	Natural Childbirth I			36	36.00	3.00
CLE812	Clinic Primary Shift #4	48.00			48.00	2.00
CLE972D	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
		72.00	54.00	228.00	354.00	24.25
Course #	SECOND YEAR CCM/ 4TH YR WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM422	Chinese Pathology II			24	24	2.00
CCM521	Herbs II w Lab		12	36	48	3.50
CCM522	Acu-Moxa Points II			36	36	3.00
CCM523	Acu-Moxa Techniques II			24	24	2.00
CCM624	Qi Gong V Retreat			12	12	1.00
CCM655	Qi Gong Practicum V		18		18	0.75
NOS732	Gastroenterology			24	24.00	2.00
PHM621	Minor Surgery I with Lab		12	24	36.00	2.50
CLS624	Diagnostic Imaging II			36	36.00	3.00
CLE813	Clinic Primary Shift #5	48.00			48.00	2.00
CLE942	Clinic Education	12.00			12.00	0.50
CLE972E	Clinic Grand Rounds	12.00			12.00	0.50
		72.00	42.00	216.00	330.00	22.75
Course #	SECOND YR CCM/ 4TH ND SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM431	Chinese Pathology III			24	24	2.00
CCM531	Herbs III w/lab		12	36	48	3.50
CCM532	Acu-Moxa Points III			36	36	3.00
CCM533	Acu-Moxa Techniques III			24	24	2.00
CCM634	Qi Gong VI Retreat			12	12	1.00
CCM657	Qi Gong Practicum VI		18		12	0.75
CCM936	CCM Medicinary Practicum (may be taken any term 2nd yr)	24			24	1.00
PHM631	Minor Surgery II with lab		12	24	36.00	2.50
CLS634	Diagnostic Imaging III			24	24.00	2.00
NOS615	Gynecology Lab		24		24.00	1.00
NOS632	Pediatrics			36	36.00	3.00
CLE814	Clinic Primary Shift #6	48.00			48.00	2.00
CLE972F	Clinic Grand Rounds/Clinic Ed	24.00			24.00	1.00
		96.00	66.00	216.00	372.00	24.75
	FOURTH YEAR TOTALS	708.00	162.00	660.00	1524.00	91.25

*These hours are cumulative and may actually be earned in a term other than term registered.

ND/MSOM Dual Curriculum *Dual Degree Entering in Third Year ND Program*

third/fifth year

Course #	THIRD YEAR CCM/5TH ND SUMMER	Clinic	Lab	Lecture	Hours	Credits
CCM800	Clinic Observation I	48			48	2.00
CCM810	Clinic Observation II	48			48	2.00
CCM820	Clinic Observation III	48			48	2.00
	Third Year Summer Totals	144.00			144.00	6.00
Course #	THIRD YEAR CCM/5TH FALL	Clinic	Lab	Lecture	Hours	Credits
CCM830	Clinic Observation IV	48			48	2.00
CCM610	Internal Medicine I			36	36	3.00
CCM611	Herbs IV			36	36	3.00
CCM612	Acu-Moxa Points IV			36	36	3.00
CCM613	Acu-Moxa Techniques IV			36	36	3.00
CCM814	Tai Ji I Retreat Yang Style			12	12	1.00
CCM815	Tai Ji I Practicum Yang Style		18		12	0.75
CCM757	Qi Gong Practicum VII		18		12	0.75
CLS631	Environmental Medicine			24	24.00	2.00
NOS714	Geriatrics			12	12.00	1.00
PHM630	Exercise Therapeutics			24	24.00	2.00
PHM650L	Nat. Man. Ther. V Lab		24		24.00	1.00
CLE815	Clinic Primary Shift #7	48.00			48.00	2.00
	Third Year Fall Totals	48.00	60.00	216.00	312.00	22.50
Course #	THIRD YEAR CCM/5TH WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM831	Clinic Observation V	48			48	2.00
CCM620	Internal Medicine II			36	36	3.00
CCM621	Herbs V			36	48	3.00
CCM622	Acu-Moxa Points V			36	36	3.00
CCM623	Acu-Moxa Techniques V			36	36	3.00
CCM758	Qi Gong Practicum VIII		18		18	0.75
CCM527	Integrative Pharmacology of Natural Substances			24	24	2.00
CCM723	Business Seminar I			24	24	2.00
CLE816	Clinic Primary Shift #8	48.00			48.00	2.00
NOS720	Neurology			24	24.00	2.00
NOS721	Urology			24	24.00	2.00
CLS999	Thesis			12	12.00	1.00
	Third Year Winter Totals	48.00	18.00	192.00	270.00	25.75
Course #	THIRD YEAR CCM/5TH SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM832	Clinic Observation VI	48			48	2.00
CCM710	Internal Medicine III			36	36	3.00
CCM631	Herbs VI			36	36	3.00
CCM632	Acu-Moxa Points VI			36	36	3.00
CCM633	Acu-Moxa Techniques VI			36	36	3.00
CCM759	Qi Gong Practicum IX		18		12	0.75
CLS621	Medical Genetics			24	24.00	2.00
NOS630	Cardiology			36	36.00	3.00
NOS725	Oncology			24	24.00	2.00
CLE817	Clinic Primary Shift #9	48.00			48.00	2.00
CCM980	Community Service (any term 3 & 4 Year)			24	24	2.00
	Third Year Spring Totals	96.00	18.00	252.00	360.00	25.75
	THIRD YEAR TOTALS	336	96	660	1086	80

ND/MSOM Dual Curriculum *Dual Degree Entering in Third Year ND Program*

fourth/sixth year

Course #		Clinic	Lab	Lecture	Hours	Credits
FOURTH YEAR CCM/ 6TH ND SUMMER						
CCM900	Clinic Internship I	48			48	2.00
CCM901	Clinic Internship II	48			48	2.00
CCM902	Clinic Internship III	48			48	2.00
CCM992	Masters Thesis I			12	12	1.00
	Fourth Year Summer Totals	144	0	12	156	7.00
FOURTH YEAR CCM/ 6TH ND FALL						
CCM911	Clinic Internship IV	48			48	2.00
CCM912	Clinic Internship V	48			48	2.00
CCM913	Clinic Internship VI	48			48	2.00
CCM981	Traditional Mentorship Tutorial I		24		24	1.00
CCM706	Clinical Specialty Topics I			36	36	3.00
CCM993	Master Thesis II			12	12	1.00
CCM745	Clinical Case Presentation I	24			24	1.00
CCM718	Chinese Medical Psychology			24	24	2.00
CCM714	Qi Gong VII Retreat			12	12	1.00
CLE818	Clinic Primary Shift #10	48.00			48.00	2.00
NOS711	Dermatology			24	24.00	2.00
NOS710	Eye,Ears,Nose,Throat			24	24.00	2.00
PSY722	Mind/Body Assessment III			30	30.00	2.50
	Fourth Year Fall Totals	168	24	48	240	23.50
FOURTH YEAR CCM/ 6TH ND WINTER						
CCM921	Clinic Internship VII	48			48	2.00
CCM922	Clinic Internship VIII	48			48	2.00
CCM923	Clinic Internship IX	48			48	2.00
CCM982	Traditional Mentorship Tutorial II		24		24	1.00
CCM999	Master Thesis III			12	12	1.00
CCM713	Clinical Specialty Topics II			36	36	3.00
CCM746	Clinical Case Presentation II	24			24	1.00
CCM737	Ethics & Jurisprudence			12	12	1.00
CCM739	Acu-Moxa Review			12	12	1.00
CCM719	Classical Case Studies I			24	24	2.00
CCM724	Qi Gong VIII Retreat			12	12	1.00
CLE819	Clinic Primary Shift #11	48.00			48.00	2.00
NOS723	Proctology			12	12.00	1.00
NOS712	Endocrinology			24	24.00	2.00
PSY720	Managing Clinical Encounters Holistically			30	30.00	2.50
	Fourth Year Winter Totals	216.00	24.00	174.00	414.00	24.50
FOURTH YEAR SPRING						
CCM731	Business Seminar II			24	24	2.00
CCM930	Clinic Internship X	48			48	2.00
CCM931	Clinic Internship XI	48			48	2.00
CCM932	Clinic Internship XII	48			48	2.00
CCM933	Clinic Internship XIII	48			48	2.00
CCM934	Clinic Internship XIV	24			24	1.00
CCM738	Herbs Review			12	12	1.00
CCM989	Traditional Mentorship Tutorial III		24		24	1.00
CCM721	Classical Case Studies II			24	24	2.00
CCM734	Qi Gong IX Retreat			12	12	1.00
CLE820	Clinic Primary Shift #12	48.00			48.00	2.00
CLE821	Clinic Primary Shift #13	48.00			48.00	2.00
NPH731	Jurisprudence			12	12.00	1.00
NPH733	Business Practice Seminar II			24	24.00	2.00
	Fourth Year Spring Totals	312.00	24.00	108.00	444.00	23.00

ND Curriculum

electives

Course #	Electives	TERM OFFERED	Lab	Lecture	Hours	Credits
PHM740E	Advanced Minor Surgery	4th Yr F		36	36	3.00
PHM510E	Colonics	3rd Yr F		12	12	1.00
HOM630E	Homeopathy V	3rd Yr S		36	36	3.00
HOM710E	Homeopathy VI	4th F		36	36	3.00
HOM720E	Homeopathy VII	4th Yr W		36	36	3.00
HOM730E	Homeopathy VIII	4th Yr S		36	36	3.00
BOT443 E	Northwest Herbs I	1st Yr F		24	24	2.00
BOT453E	Northwest Herbs II	1st Yr W		24	24	2.00
BOT463E	Northwest Herbs III	1st Yr S		24	24	2.00
BOT620E	Advanced Topics Botanical Medicine I	3rd Yr W		36	36	3.00
BOT630E	Advanced Topics Botanical Medicine II	3rd Yr S		36	36	3.00
NCB620E	Natural Childbirth II	3rd Yr W		36	36	3.00
NCB630E	Natural Childbirth III:Labor & Delivery	3rd Yr S		36	36	3.00
NCB710E	Natural Childbirth IV:Postpartum Mgm	4th Yr F		36	36	3.00
NCB720E	Natural Childbirth V:Neonatology	4th Yr W		36	36	3.00
NCB730E	Natural Childbirth VI:Special Topics	4th Yr S		24	24	2.00
NCB740E	Natural Childbirth VII:Legal Aspects	4th Yr S		12	12	1.00
CLS640E	Natural Pharmacology	3rd Yr S		24	24	2.00
PHM401E	Bodywork I Massage Foundations	1st Yr F	24		24	1.00
PHM402E	Bodywork II Advanced Massage	1st Yr W	24		24	1.00
PHM403E	Bodywork III Energy Work	1st Yr S	24		24	1.00
PHM515E	Somatic Re-Education I	All Terms	24		24	1.00
PHM516E	Somatic Re-Education II	All Terms	24		24	1.00
PHM517E	Somatic Re-Education III	Variable	24		24	1.00
PHM518E	Somatic Re-Education IV	Variable	24		24	1.00
PHM519E	Somatic Re-Education V	Variable	24		24	1.00
CLS644E	Clinical Case Presentation IV	4th Yr W	24		24	1.00
CLS710E	Clinic Synthesis I					0.50
CLS711E	Clinic Synthesis II					0.50
CLS712E	Clinic Synthesis III					0.50
PSY499E	Personal Development as a Physician					1.50
PSY691E	Psychiotherapy					2.50
CLS650E	Vaccination					1.50
PHM710E	IV Therapy	All Term	18	12	30	1.75
CLS643E	The Liver in Health & Disease	Winter/Spring		24	24	2.00
NOS699E	Advanced Pediatrics	Spring		24	24	2.00
PHM699E	Nature Cure	Variable		24	24	2.00
			234	624	858	68.75



Master of Science in Oriental Medicine

Chinese Medicine as Explained by the Classics

The antiquity, beauty, and efficacy of Chinese medicine have drawn Western scholars for generations. As modern China sought credibility for its age-old system of medicine, and as Westerners have striven to understand it within their own scientific context, each has emphasized only select pieces from the rich tapestry of Chinese medicine.

In contrast, the MSOM degree program at NCNM emphasizes the holistic spirit of the classic teachings of Oriental medicine. This 3,516 hour academic and clinical program, taught over four years, was developed and is taught by practitioners trained in China. The history and philosophy of this challenging system of thought combine the art and science of a medicine developed over millennia. This course of study will take you outside the Western concept of science into an approach that integrates the systematic and intuitive aspects of medicine while remaining observable and reproducible.

The classical Chinese medicine approach is especially suited to give new insights into the treatment of difficult and recalcitrant diseases. By bringing the legacy of an independent medical system into modern Western practices, our program is specifically designed to inspire practitioners to confidently treat chronic diseases that are difficult to cure or even diagnose.

History of the Master of Science in Oriental Medicine

Historically it has been the didactic direction of the College to emphasize the classical traditions of Oriental medicine. The academic backgrounds of the core faculty members are distinguished by extensive training in the classical tradition of Oriental medicine. The mission statement of the classical Chinese medicine (CCM) program was designed to include several items that specifically define its traditional orientation.

Mission of the Master of Science in Oriental Medicine

The mission of the Master of Science in Oriental Medicine degree program is to educate students to become health care professionals in the practice of Oriental medicine as illustrated by the classics. Above all, the program is intended to impart to its students the holistic spirit of Oriental medicine.

Specifically through the MSOM coursework, the program seeks to accomplish the following:

- Instruct health care practitioners in the art and science of Chinese medicine.
- Immerse students in the culture of Chinese medicine by combining emphasis on scholarly erudition and attention for multi-layered detail with the atmosphere-inspiring aspects of holistic life science.

- Cultivate respect for Oriental medicine as an independent science that has its own parameters and does not require validation by other scientific systems.
- Honor the philosophical precepts that are shared by naturopathic medicine and classical Chinese medicine—belief in the healing power of nature, focus on identifying the root causes of disease, and treatment of the person as a multifaceted entity.
- Foster awareness of the historical development of Oriental medicine, including knowledge of the major schools of Chinese medical thought.
- Present Oriental medicine as a renaissance-style art that is embedded in and closely related to other traditional arts and sciences.
- Educate students to effectively treat disease, especially chronic and recalcitrant disorders, by training them broadly and equally in all major modalities of Oriental medicine, while at the same time affecting them to acquire a distinguishing sense regarding the clinical situation under which each of these modalities should be applied.

Educational Objectives of the MSOM Program

The program seeks to educate students in the practice of Oriental medicine as illustrated by the classics and to share the holistic spirit of Oriental medicine. Specifically, through the MSOM coursework and training, graduates will be able to do the following:

- Diagnose according to the traditional parameters of Oriental diagnosis.

- Master the theory and practice of the main modalities of Chinese medicine.
- Acquire a distinguishing sense regarding the clinical situations under which each of them should be applied.
- Engage in scholarly discourse regarding the nature and origin of Chinese medicine.
- Work cooperatively with other health care practitioners for optimal patient care.

Licensing and Certification of Acupuncturists & Oriental Medicine Practitioners

Graduates of the MSOM program are eligible to apply for acupuncture licensure in the state of Oregon and to take all exams administered by the National Certification Commission for Acupuncture and Oriental Medicine

(NCCAOM), which most states use as a basis for licensure. For additional information, contact NCCAOM, 11 Canal Center Plaza, Suite 300, Alexandria, VA 22314, 703-548-9004, www.nccaom.org.

In addition, the MSOM program is approved by the California Acupuncture Board, allowing graduates to sit for the California licensing exam, and is on the State of New Mexico education program approved list. For additional information concerning acupuncture licensure in the State of California, contact the California Acupuncture Board, 444 N. 3rd Street, Suite 260, Sacramento, CA 95814-0226, 916-445-3021, www.acupuncture.ca.gov. For additional information concerning licensure in the State of New Mexico, contact the Board of Acupuncture and Oriental Medicine, 2550 Cerrillos Road, Santa Fe, NM 97505, 505-476-4630, www.rld.state.nm.us/b&c/acupuncture.



MSOM Course Descriptions

Acu-Moxa Points and Techniques Series

The acu-moxa points and techniques series begins with two quarters of point location integrated with their therapeutic actions. This is followed by two quarters focusing on a more detailed exploration of channel pathways and point combining principles. The final two quarters focus on the art of point prescribing and treatment protocols. The more advanced courses begin with a focus on established protocols that correspond to specific diagnostic patterns used in Chinese medicine. Subsequent courses explore case analysis, the development of appropriate treatment principles, and the creation of individualized point prescriptions. Treatment skills begin in Techniques III with the introduction of needling techniques as well as a variety of adjunct techniques such as cupping and moxibustion. More advanced needling techniques are taught throughout the second year of training.

Acu-moxa points I-III constitutes the first year; IV-VI the second.

CCM 512/522 Acu-Moxa Points I, II (3 lecture credits each)

These courses focus on the therapeutic actions of points. Location, name, and category information are reviewed in the context of learning the traditional functions, as well as specific symptomatic indications for each point. These therapeutic functions correspond to treatment principles derived from Chinese pattern differentiation. Both Eastern and Western diseases are correlated to complete the therapeutic

understanding of the point's potential range and repertoire for treatment.

Prerequisites for 512: second-year status;

Corequisite for 512: concurrent enrollment in CCM 513 (Tech I)

Prerequisites for 522: CCM 512, 513 (Pts, Tech I)

Corequisite for 522: concurrent enrollment in CCM 523 (Tech II)

CCM 532 Acu-Moxa Points III (3 lecture credits)

This course provides students with a thorough understanding of the Jing Luo system. Students learn about the physiological functions, pathogenic indications, and clinical significance of the 12 regular meridians, 12 divergent branches (detours), 12 sinews, 12 cutaneous zones, 15 collaterals, 8 extraordinary channels, grandson collaterals and superficial collaterals. The Jing Luo distributions in specific regions of the body are related to the clinical application of Jing Luo theory.

Prerequisite: CCM 522

Corequisite: concurrent enrollment in CCM 533

CCM 612 Acu-Moxa Points IV (3 lecture credits)

This course focuses on combining points in mini-prescriptions. Principles of point combining are introduced, followed by classic two and three-point combinations. Five-Element and Extraordinary Vessel protocols are presented, as well as organ, pathogen, and vital substance treatment plans. Protocols based on classical treatment principles and therapeutic strategies are emphasized. Students learn the basic principles of acupuncture by focusing on the management of shen and qi. Fundamental needle and moxibustion techniques are applied according to relevant syndromes;

specific technical patterns are correlated with appropriate points, syndromes and the patient's constitution. Further strategies are presented for applying point combinations according to specific diagnostic methodologies, including Chinese herbal theory and the eight parameters.

Prerequisite: CCM 532

Corequisite: concurrent enrollment in CCM 613

CCM 622 Acu-Moxa Points V (3 lecture credits)

This course focuses on point prescriptions. The prescriptions reviewed are designed to address diseases and symptoms that are commonly seen in a clinical setting. We discuss the diagnostic differentiation, treatment principles, key points, and basic prescriptions in order to develop a repertoire of treatment plans and to model the creation of a well-crafted prescription.

Prerequisite: CCM 612

Corequisite: concurrent enrollment in CCM 623

CCM 632 Acu-Moxa Points VI (3 lecture credits)

This course is specifically designed to integrate and put into practice all the elements that have been learned during previous courses in preparation for clinical internship. Each week students are presented with three actual cases to analyze outside of class. Students analyze patients' signs and symptoms, arrive at a diagnosis and treatment plan, and then devise a point prescription complete with rationale for each point. This is presented and debated in class with fellow students and an instructor.

Prerequisite: CCM 622

Corequisite: concurrent enrollment in CCM 633

Acu-Moxa Techniques

This series of six courses focuses on developing both diagnostic and treatment skills. The format is typically a combination of lecture and demonstration, followed by students practicing on each other under the observation and guidance of experienced supervisors. These classes are designed to develop the fundamental technical skills necessary to function in a clinical setting. Techniques I-III constitutes the first year, Tech IV-VI the second.

CCM 513/523 Acu-Moxa Techniques I, II

(2 lecture credits each)

These two courses focus on each point's anatomical location, the Chinese names for selected points, and the therapeutic categories assigned to points. The Chinese system of anatomical measurement and all 361 standard points on the fourteen primary channels are presented. Points I covers the six arm and two midline channels. Points II covers the six leg channels. We will learn the names of the major points on each channel with an emphasis on pronunciation and pinyin spelling, along with an accurate translation, focusing on the medical meaning encoded in that name. These two courses are part lecture and demonstration, and part experiential learning, with an emphasis on finding and marking the points on a partner, thereby learning to feel the point and ultimately the qi present there.

Prerequisite for 513: second-year status

Corequisite for 513: concurrent enrollment in CCM 512 (Pts I)

Prerequisite for 523: CCM 512, 513 (Pts, Tech I)

Corequisite: concurrent enrollment in CCM 522 (Pts II)

CCM 533 Acu-Moxa Techniques III

(2 lecture credits)

Needle insertion skill is the focus of this course. Nearly 100 different points on all 14 channels are used in hands-on practice that emphasizes pain-free, free-hand needle insertion, careful needle advancement, and finding/obtaining the qi. Appropriate positioning of the patient and proper alignment of one's own body are also covered. Students practice on each other, and learn to attend to patient concerns and reactions while soliciting feedback. Students learn to palpate and apply indication-specific acupressure and cupping techniques to the front mu and back shu points, and learn the location and functions of commonly used extra points. Ear seed and needle techniques are applied to the ear points.

Prerequisite: CCM 523

Corequisite: concurrent enrollment in CCM 532

CCM 540E Auricular Therapy

(2 lecture credits)

The point location series concludes with this course devoted to extra and auricular points. The most commonly used eighty-five extra points are presented, including the World Health Organization and NCCAOM designated extra points. The Chinese system of auricular therapy is presented focusing on the distribution and identification of the points in the context of using the ear for both diagnosis and treatment.

Prerequisite: CCM 523

Corequisite: concurrent enrollment in CCM 532

CCM 613 Acu-Moxa Techniques IV

(3 lecture credits)

Building on the skills learned in Acu-Moxa Techniques III, students apply

different technical patterns and simple and complex tonifying-reducing techniques as indicated for specific syndromes and constitutional types. Students become flexible in their use of various needling techniques, and are encouraged to develop their own needling style. Note: The Clean Needle Technique course offered by the CCAOM is also required.

Prerequisite: CCM 613

Corequisite: concurrent enrollment in CCM 612

CCM 623 Acu-Moxa Techniques V

(3 lecture credits)

Needling practice continues with a focus on more challenging points and learning to manipulate qi according to traditional methods of tonification and dispersion (bu & xie). Another 100 points are chosen from all parts of the body to familiarize the student with a wide range of points and needling experience.

Prerequisite: CCM 613

Corequisite: concurrent enrollment in CCM 622

CCM 633 Acu-Moxa Techniques VI

(3 lecture credits)

This course focuses on perfecting diagnostic skills, as well as treatment planning and implementation. In class, each student takes a fellow student's case. After discussing the diagnosis and treatment plan with an instructor, the student proceeds to administer the treatment. Attention is given to the orchestration of the entire process and to the subtleties of working with real people. The techniques of scalp and electro-acupuncture are also introduced.

MSOM Course Descriptions, cont.

Note: Techniques IV-VI include a qigong component in the belief that good acu-puncture is dependent on the practitioner's awareness of and sensitivity to qi.

Prerequisite: CCM 623

Corequisite: concurrent enrollment in CCM 632

Basic Sciences

CCM 413/423/433 Acu-Moxa Anatomy I, II, III

(1 lab credit each)

This innovative three-part series is a human cadaver prosection lab taught from the perspective of classical Chinese medicine. Students will learn the anatomy associated with specific acupuncture points, and gain an appreciation for the structure and organization of the tissues associated with the Chinese organ networks.

Prerequisites: CCM 413 for 423; CCM 423 for CCM 433

CCM 410/420/432 Integrative Anatomy, Physiology and Biochemistry I, II, III

(4 lecture credits each)

In much of modern medicine, research findings are used to elaborate a mechanistic model of the human body. In contrast, this innovative basic science series will explore how the same findings can deepen our insight into the way in which the body manifests as a symbolic expression of the macrocosm. Students will study the biochemistry and physiology of the anatomical structures associated with the Chinese organ networks, and investigate how this scientific data relates to the fundamental concepts taught in the Cosmology and Symbolism classes.

Prerequisites: CCM 410 for CCM 420, CCM 420 for CCM 432

Corequisite: concurrent enrollment in CCM 411/421/434

CCM 414 Integrative Nutrition I

(2 lecture credits)

In this course, the basic biochemical approach to nutrition, including a discussion of macronutrient (protein, fat, and carbohydrate) and micronutrient (vitamin and mineral) metabolism will be presented within a larger context of food energetics. The concepts of nutrient requirements (including the RDA and the DRI) will be introduced, along with a consideration of the major food sources of specific nutrients. The biochemical explanation of digestion and nutrient absorption will be compared to Chinese concepts of nourishment and discussed in relation to overall energetic principles of food and nutrition.

CCM 424 Integrative Nutrition II

(1 lecture credit)

Building on the foundation of Integrative Nutrition I, this course will focus on specific diets and the therapeutic use of foods, with an emphasis on energetic approaches to nutrition. The similarities and differences between nutritional philosophies (Chinese, ayurvedic, macrobiotic, anthroposophical) will be explored. Vegetarian, vegan, carnivore, and omnivore diets will be discussed, and popular diets (such as "Atkins", "The Zone" and others) will be examined in the larger context of energetic and nutritional concepts. Basic approaches to modern problems such as heart disease, diabetes, and cancer will be presented.

Prerequisite: CCM 414

CCM 417/427/437 Human Organ Systems: Phenomenology I, II, III

(3 lecture credits each)

This course seeks to explore the human life sciences from the perspective of non-mechanical modes of perception. Using the phenomenological method of the German poet/scientist Johann Wolfgang von Goethe (1749-1832), a unique process-oriented physiology, biochemistry and anatomy is explored and applied to Chinese medicine. Students will investigate the integration of external sense data with inner modes of cognition, thus providing a firm foundation for the understanding of higher-order forces of organization characteristic of the living world. Relations between the human being, the natural world, and the cosmos are all explored within the context of body, soul and spirit. Specific exercises focus on the perception of formative forces in the mineral, plant, animal and human realms, preparing students for a deeper interpretation of the Chinese classics.

Prerequisites: CCM 417 for CCM 427, CCM 427 for CCM 437

CCM 732 Integrative Microbiology and Public Health

(3 lecture credits)

In this course, the biomedical model of infectious disease is presented and contrasted with classical Chinese concepts of epidemic and infectious disease. The role of normal body flora as well as the nature and effects of common/representative viral, bacterial, and parasitic pathogens are discussed. Treatment approaches are viewed from Western and Chinese perspectives, as are public health topics, including the

etiology, epidemiology, prevention, and control of communicable diseases. Students learn about legally mandated infectious disease reporting.

Prerequisite: second-year status

CCM 813 Integrative Immunology (2 lecture credits)

This course will present the fundamentals of immune function within the context of Chinese medical philosophy. Students will learn how Chinese medicine affects the immune system, and will explore how Western scientific knowledge concerning the structure and function of the immune system relates to the human body as described by Chinese medicine. Recent insights into such topics as auto-immune disease and psychoneuroimmunology will also be discussed.

Prerequisite: second-year status

Classical Chinese Medicine Foundations

CCM 418 Foundations of Classical Chinese Medicine

(3 lecture credits)

This course introduces students to the common principles that underlie all traditional nature sciences, in this case observed from the specific perspective of classical Chinese medicine. Core concepts discussed include the holographic quality of nature (Dao; Tian-Di-Ren), dynamism, complexity, the symbolic pattern language of the universe (yin-yang wu xing; zang-xiang), and the relationship between matter, energy, and spirit (jing-qi-shen). The curriculum attempts to correlate the wisdom of these ancient concepts with contemporary insights gleaned from the quantum cosmology of

modern physics and other contemporary sciences. Moreover, students will learn how to critically read the introductory literature of the field.

CCM 411/421/434 Chinese Organ Systems: Cosmology and Symbolism I, II, III

(3 lecture credits each)

This three course series represents a gradually deepening introduction into the time-honored system of Chinese symbol science, which defines the physiology of the microcosm as a projection of macrocosmic themes (stellar constellations, months of the year, earthly branches, hexagrams, rivers in the sacred landscape of ancient China). Presenting the results of seven years of continuous inquiry by NCNM's ancient symbolism research group, the functional archetypes of the organ systems of Chinese medicine and their expression in the physical, mental, emotional, and spiritual planes are described in exclusive detail. Specifically, the first course presents the Earth Organs (the lung, the large intestine, the stomach, the spleen) and the functions of the animal body; the second presents the Heaven Organs (the heart, the small intestine, the bladder, the kidney) and the functions of the sage body; and the third presents the Humanity Organs (the pericardium, the triple warmer, the gallbladder, the liver) and the functions of the emotional body.

Prerequisites: CCM 411 for CCM 421, CCM 421 for CCM 434

Corequisites: concurrent enrollment in CCM 410/420/432

CCM 412/422/431 Chinese Pathology I, II, III

(2 lecture credits each)

This series of courses introduces the observational and analytical methods employed by Chinese sages in the study of nature for the definitive examination of human pathology. The course consists of collective readings of pivotal paragraphs from classical writings to gain an understanding of the processes of differentiation that led to the establishment of Chinese medical pathology. Specific concepts include the Three Causes (san yin), the Six Qi (liu qi), the Six Conformations (liujing bianzheng), and the Eight Parameters (bagang bianzheng). A main focus of the course series is an analysis of the crucial passage from the medical classic Huangdi Neijing, termed the Nineteen Lines on Pathology (bingji shijiu tiao). From a historical perspective, the courses consider diagnostic methodologies from all eras, beginning around 500 BCE with pre-Qin and Han dynasty doctrines on yin and yang theory, to Song and Ming dynasty systems of organ differentiation (zangfu bianzheng), to the eighteenth century systems of Four Layer (wei qi ying xue) differentiation and Triple Burner differentiation (sanjiao bianzheng) for the diagnosis of heat-induced pathologies. Upon completion of this series, students will have learned a dynamic and functional methodology that allows them to conceptualize and recognize the fundamental pathologies of micro- and macrocosm, providing them with a solid foundation for the clinical application of advanced level coursework.

Prerequisites: second-year status, CCM 412 for CCM 422, CCM 422 for CCM 431

Corequisites: concurrent enrollment in CCM 516/526/546 and CCM 415/428/439

MSOM Course Descriptions, cont.

CCM 425/435 Chinese Diagnostic Techniques I, II

(1 lecture credit each with .5 lab credit)

This lecture and lab series is designed to teach, demonstrate, and practice the basic diagnostic procedures of Chinese medicine, including visual observation (wang), olfactory perception (wen), questioning (wen), and palpation (qie, including Chinese medicine physical diagnosis and pulse diagnosis). The course begins with an introduction to the theoretical precepts of classical diagnosis as recorded in the medical classics Huangdi Neijing and Nanjing. The course then focuses on the theory and practice of pulse diagnosis and visual observation. The instruction of the pulses is rooted in key passages from the Pulse Classic (Maijing) and Sun Simiao's Pulse Studies (Binhu maixue). The basic pulse diagnosis practiced in this class prepares students for the Acu-moxa Techniques lab series. Also, visual and olfactory perception, along with the traditional Ten Questions (shiwen) are practiced in class.
Prerequisite: CCM 425 for CCM 435

CCM 610/620 Internal Medicine I, II

(3 lecture credits each)

These courses continue to deepen the diagnostic skills transmitted in the Pathology series, with a focus on the diagnosis and treatment of specific disorders, such as cough or headache. One quarter consists of an introduction to the differential pathology of the clinically most pertinent traditional diseases; the other covers the assessment of modern diseases such as diabetes from a traditional perspective.
Prerequisite: third-year status; CCM 610 for CCM 620

CCM 710 Internal Medicine III

(3 credit hours lecture)

This course comprises an advanced introduction to the basic diagnostic and therapeutic principles of Chinese medicine by reading and discussing how they appear in the most important classical texts of Chinese medicine. These include the Huangdi Neijing (Yellow Emperor's Classic of Medicine), the Shanghan Lun (Treatise on Disorders Caused by Cold), the Jingui Yaolue (Essentials from the Golden Cabinet), and the Wenbing Tiaobian (A Differential Diagnosis of Warm Diseases).
Prerequisite: CCM 620

CCM 719/721 Classical Case Studies I, II

(2 lecture credits each)

These classes offer a historical overview of the evolution and development of major theoretical schools of thought within the classical tradition. Unique clinical approaches and the impact of the various lineages on contemporary clinical practices are discussed.
Prerequisite: fourth-year status

Elective: CCM 971E/973E/974E Classical Texts I, II, III

(2 lecture credits each)

These elective courses introduce students to the cultural and philosophical background of Chinese medicine through a careful analysis of selected classical texts. These texts are presented to students in their original written and grammatical form, so that students will gain a deeper understanding of both the vocabulary and the texture of Chinese philosophy, and hence the unique style of medicine which evolved from it.
Prerequisite: second-year status

Elective: CCM 994E Yi-Jing (I Ching) Book of Changes

(2 lecture credits)

This course is a detailed introduction to a classic of Chinese philosophy, culture, and cosmology. The course is divided into two parts: Part I is about accessing the oracle, beginning with a survey of translations and recommendations on books to purchase. It covers such basics as the historical development and authorship of the text. Students will learn how to use the text for divination, including the traditional coin and stalk methods as well as the more contemporary bead method. A unique system for computing one's personal hexagrams is also presented. This segment ends with a discussion on how to formulate good questions. Part 2 explores the structure of the hexagrams as the primary key to interpretation. Technical terminology is explained along with traditional associations and conventions used to decipher the symbolic messages. In the process we will greatly deepen our understanding of yin-yang, the five phases, and the ba-gua.
Prerequisite: open to all NCNM students

Clinical Science

CCM 516/526/546 Integrative Clinical/Physical Diagnosis I, II, III

(2 lecture credits each)

These seminar format courses will be coordinated with Integrative Pathology I-III and reference information from Chinese Pathology I-III to teach students how the Western scientific approach to disease diagnosis can be understood from the perspective of classical Chinese medicine. Theoretical aspects of history

taking, physical examination, and laboratory testing will be related to the diagnosis and management of diseases of the body's major organ systems, and in turn to the assessment of pathologies of the Chinese organ networks. Students will learn how to navigate the Western medical system (e.g., ordering and interpreting laboratory tests, making appropriate referrals, coordinating treatment with Western practitioners), and to apply Western scientific techniques and interpret their results according to classical Chinese theory.

Prerequisite: second-year status; CCM 411/421/434
Corequisite: concurrent enrollment in CCM 415/428/439 and CCM 412/422/431.

CCM 517/529/538 Integrative Physical Diagnosis Laboratory I, II, III (1 lab credit each)

In these courses, students will get direct experience learning the history-taking and examination techniques covered in the Integrative Clinical/Physical Diagnosis series. Whenever possible, the course content will be related to the skills learned in Chinese Diagnostic Techniques I-II.

Prerequisite: second-year status
Corequisite: concurrent enrollment in CCM 516/526/546.

CCM 415/428/439 Integrative Pathology I, II, III (2 lecture credits each)

In these courses, mechanistic descriptions of pathological processes at the cellular through organ system levels will be examined from the perspectives of phenomenological and classical Chinese symbol science introduced in the first year. Through individual projects and class discussions, students will contribute to the growing body of knowledge that

bridges Eastern and Western approaches to understanding disease.

Prerequisite: second-year status

CCM 539 Integrative Pharmacology of Drugs

(2 lecture credits)

This course will provide future Chinese medicine practitioners with a basis for understanding both the pharmacological and energetic effects of drugs that their patients may be taking. Basic concepts of biomedical pharmacology will be discussed, providing a foundation for understanding the pharmacodynamics, mechanisms of action, and side effects of commonly prescribed drugs. Energetic considerations of pharmacological agents will be explored according to the pioneering model that the medical scholar Zhang Xichun set forth in his work from the 1920s, "An Integrative Approach to Medicine." Potential interactions between drugs, herbs, and nutrients will be discussed from both biomedical and energetic perspectives.

Prerequisites: CCM 511/521/531/611
Corequisites: concurrent enrollment in CCM 621

CCM 527 Integrative Pharmacology of Natural Substances

(2 lecture credits)

Using the process-oriented thinking developed in the first years of the Chinese medicine program, students learn to apply these modes of perception to gain deeper understanding of the therapeutic use of mineral and plant remedies. Pharmacological substances are explored both from the context of traditional chemistry, as well as from the context of a phenomenological science that seeks to understand the inner gestures

and cosmic formative forces carried by each compound. Through lecture and demonstration, the medicinal actions of metals, minerals and plant constituents are integrated into the context of a living science.

Prerequisites: CCM 511/521/531/611/621
Corequisite: concurrent enrollment in CCM 621

Herbal Studies

The first year, three consecutive quarters, is devoted to individual herbs and primary two and three herb combinations, along with the theories pertinent to their classification and usage. The second year is split, with the first two quarters focusing on formulas, with an emphasis on classical prescriptions. The third course, Herbs VI, focuses on herb preparation and external applications. Formula modifications and the principles involved are presented throughout the series in the context of their base prescriptions.

CCM 511/521 Herbs I, II with Lab (3 lecture credits with .5 lab credit each)

The method and rationale for Chinese herbal classification is presented. The courses then focus on individual herbs—their Chinese, Latin and common names—with a concentration on approximately 120 key herbs. These courses delineate the therapeutic actions, doses, preparation, and application of the individual herbs. Students also learn to recognize and identify samples of the 120 primary herbs. This pair of courses provides the foundation of Chinese herbology, including a basic understanding of the diagnostic parameters and clinical application of

MSOM Course Descriptions, cont.

the therapeutic categories into which the materia medica is organized.

Prerequisites: second-year status; CCM 511 for CCM 521

CCM 531 Herbs III with Lab

(3 lecture credits with .5 lab credit)

The logic and principles of herb combining are presented. The specific clinical effects of both the combination and its constituent herbs as brought out by the combination are reviewed. We examine the science of combining herbs to enhance certain properties and subdue others to obtain a precise clinical effect with clear advantages over simple or random groupings of herbs.

Prerequisite: CCM 521

CCM 611/621 Herbs IV, V

(3 lecture credits each)

Herbs IV-V focus on the study of classical Chinese herbal formulas. These courses provide a solid introduction to the most important 160 formulas of the classical Chinese formulary, with a detailed discussion of a core of 40 constitutional formulas. Contents include the theoretical principles of formula composition, formula preparation and modification, and includes in-depth discussions of the diagnostic parameters that accompany each of the therapeutic categories used in herbal prescribing.

Prerequisites: CCM 531 for CCM 611, CCM 611 for CCM 621

CCM 631 Herbs VI

(3 lecture credits)

This course discusses the art and principles of modifying herb formulas to more truly meet the needs of individual patients. Part II is both a theoretical and experiential presentation of the

art of modifying the actions of an herb through specific preparation methods. Part III focuses on the preparation and application of external formulations.

Prerequisite: CCM 621

CCM 445 Oriental Dietetics

(1 lecture credit with .5 lab credit)

This course explores the natures, movements, and tastes of foods according to Chinese medicinal and dietary principles. Dietary factors as major contributors to the development of disease patterns will be discussed at length. Students develop skills in applying learned principles to both self-cultivation and to working with patients in a clinical setting. The preparation of medicinal foods will supplement each class.

Practice Management & Ethics

CCM 723 Business Seminar I

(2 lecture credits)

This course uses five-phase theory as the lens for learning the art of building healthy business relationships. Students create the foundation for an effective marketing plan by defining their ideal patient population and practice. Students explore effective ways of attracting patients, enhancing their clinic experience, and maximizing their compliance with treatment plans. Attention is given to the process of promoting the long-term health of the therapeutic relationship. Students gain experience educating prospective and current patients about CCM theory and practices, and develop lifestyle counseling skills.

Prerequisite: third-year status

CCM 731 Business Seminar II

(2 lecture credits)

This course focuses on building and maintaining a successful medical practice aligned with Chinese philosophy. In a healthy business, as in a healthy organism, the functions of the twelve organ networks must be strong and in balance. Through the exploration and development of business plans, office systems and procedures, and financial plans, students learn how the necessary functions can be put into place to create a harmonious business structure.

Prerequisite: CCM 723

CCM 737 Ethics and Jurisprudence

(1 lecture credit)

Group discussion, clinical experiences, self-exploration, as well as an in-depth look at the client-practitioner relationship are used to elucidate legal, ethical and professional issues, especially issues specific to the practice of Chinese medicine.

Prerequisite: third-year status

Mind/Body Medicine

CCM 430 Practitioner Cultivation I: Wilderness Retreat

(1 lecture credit, with .5 lab credit)

This wilderness-based course facilitates the practitioner's journey toward a deeper connection to nature, including a deeper connection to each other as well as the hidden layers of one's own healing potential. More specifically, this course presents an immersion in the natural manifestations of the five phase elements. In a retreat format, participants will cultivate their sensitivity toward the

natural world and experience natural manifestations of the phase elements and selected acu-moxa points. Energetic practices, including art, poetry, group sharing, and personal reflection are landmarks of this process.

CCM 717 Practitioner Cultivation II

(1 lecture credit with .5 lab credit)

This course is designed to cultivate awareness so that students can function in a sensitive, professional, and deeply perceptive manner in both individual and group interactions. Special focus will be given to methods of educating, motivating, and counseling patients. Practical aspects will include the introduction of tools for centering and accessing inner wisdom. Through role plays, self-exploration, and group interaction and analysis a deeper sense of self-responsibility, compassion and confidence is cultivated.

Prerequisites: CCM 430

CCM 718 Chinese Medical Psychology

(2 lecture credits)

This course offers an introduction to the Chinese system of five phase element healing. From a general perspective, an in-depth analysis of the spirits and pathological emotions associated with each organ network is presented. More specifically, case examples from the early nineteenth century emotional healing practice of the Confucian healer Wang Fengyi and the Northern Chinese hospital of his contemporary student Liu Shanren are presented. From a practical standpoint, participants will learn therapeutic techniques that facilitate

physical and emotional cleansing through five element based counseling and a series of organ specific chants and affirmations.

Prerequisite: third-year status

Physical Medicine

CCM 416/426 Palpation and Perception Lab I, II

(1 lab credit each)

Through supervised hands-on experience, students develop the ability to sense and palpate the physical and energetic bodies. Students become familiar with internal and external anatomical landmarks, and practice palpating the mobility and motility of various body fluids and tissues, including bone, connective tissue and organs. The process of evaluating lesion patterns from a whole body perspective is also explored. These courses prepare students for Chinese Diagnostic Techniques and the acu-moxa courses.

Prerequisite: CCM 416 for CCM 426

CCM 438 Oriental Bodywork

(1 lecture credit with .5 lab credit)

This course introduces the cornerstones of Asian massage, Tuina, Shiatsu and Dao-In (a self-massage routine). Class will emphasize proper alignment and body position for the practitioner and will focus on the sequence of the massage. Students will be exposed to the energetic, theoretical, and technical aspects of Oriental bodywork. Theory will focus on learning the channel pathways. The instructor will emphasize kinesthetic learning, alternating between demonstration and practice.

Shiatsu Acupressure Massage

The Shiatsu series presents a thorough grounding in the principles and style of Asian bodywork, the energetic anatomy upon which it is based, and the fundamentals of touching with quality. Students will learn a variety of techniques and maneuvers in the context of a complete, full body massage. This style of shiatsu is highly effective and enjoyable to give as well as receive. Though shiatsu is a Japanese word and massage tradition, it derives from Chinese sources and is based on the same theories and principles that have influenced the entire pan-Asian approach to medicine. Shiatsu I-III can be taken early in the Chinese medicine program to more fully prepare students for what they will learn in the points and techniques series. They present shiatsu as a holistic massage focusing on wellness, and do not require the ability to diagnose in order to be effective. Shiatsu is a complete modality on its own, but also trains the student in the art of palpation and general sensitivity, which is useful in all aspects of a medical practice.

Elective: CCM 991E Shiatsu I, Back of the Body

(1.5 lab credits)

Shiatsu I is the introductory course and presents a deeper and more fully developed training in the Japanese massage techniques, Shiatsu and Do-In (a self-massage qi-gong practice). Neither massage uses oil or requires disrobing. This course presents traditional Asian style massage on a table and teaches the back half of the body. It takes about 45 minutes to an hour to perform.

MSOM Course Descriptions, cont.

Class will focus on the sequence of the kata (form) of the massage, such that it becomes second nature.

Prerequisite: open to all NCNM students

Elective: CCM 997E Shiatsu II, Front of the Body

(1.5 lab credits)

Shiatsu II is the continuation of Shiatsu I and completes the massage to create a full body comprehensive therapeutic experience. In terms of the kata it covers the front of the body. We will also continue the Do-In practice, with an emphasis on learning to teach it to others.

Prerequisite: CCM 991E

Elective: CCM 998E Shiatsu III, Short Form Integration

(1 lab credit)

Shiatsu III integrates Shiatsu I & II to create a whole body massage referred to as the short form. The short form combines the front and back sequences learned in the first two courses and takes about 1.5 hours to perform. It constitutes the basic framework for the clinical practice of shiatsu. Students practice performing the entire massage on 10 different partners that they bring to class. The instructor circulates and provides active feedback and corrections during the session.

Prerequisites: CCM 911E/997E

Elective: CCM 805E Shiatsu IV, Shiatsu Stretches

(1.5 lab credits)

This segment of the Shiatsu training focuses on stretching techniques for all the major joints and muscle groups of the body. The stretch kata follows the same general flow as the short form.

Stretches are particularly useful for stimulating the flow of qi along the channels and through joint areas. They feel wonderful and make a significant contribution to the client's well being. Students will also learn a Dao-In stretch regimen: a comprehensive series of stretching and strengthening exercises, useful both for personal care and for more fully understanding the techniques learned in class. These stretches prepare the practitioner to give and receive the massage, as well as provide prescriptive stretches for a client.

Prerequisites: CCM 911E/997E/998E

Elective: CCM 806E Shiatsu V, Long Form

(1.5 lab credits)

In this course we combine the short form with the stretches learned in Shiatsu IV, add a few more techniques, some point work, and create a two to three hour Shiatsu protocol referred to as the long form.

Prerequisites: CCM 911E/997E/998E/805E

Elective: CCM 807E Shiatsu VI, Long Form Practicum

(1.5 lab credits)

This supervised practicum is devoted to practicing and perfecting the long form. One long form is performed during each class session. Students are expected to know the techniques taught in all the previous Shiatsu courses and be able to apply them. Supervision and feedback are provided, but students are allowed to function quite independently, and are expected to be able to relate to their clients and discuss the work in a professional manner.

Prerequisites: CCM 911E/997E/998E/805E/806E

Research

CCM 992/993/999 Master's Thesis Tutorial I, II, III: Research and Writing in Oriental Medicine

(1 lecture credit each)

These courses monitor thesis preparation during the final year of the program. The thesis may be on any approved topic pertinent to classical Chinese medicine. It is supervised and reviewed by a faculty advisor, and in the final quarter presented to a thesis committee. Approval of the defended thesis is a requirement for graduation.

Prerequisite: fourth-year status

Review Courses – Acu-Moxa and Chinese Herb Review

These courses are offered during the final two quarters of training. They highlight the essential features of Oriental medicine in preparation for the acupuncture and the herbology exams administered by national and state agencies as a prerequisite to licensure.

CCM 739 Acu-Moxa Review

(1 lecture credit)

This course is offered during the fall quarter of the final year in preparation for national board exams. The course highlights all essential aspects of acupuncture and Asian medical theory through a series of mock exams, discussion, and question/answer sessions.

Prerequisite: fourth-year status

CCM 738 Chinese Herb Review

(1 lecture credit)

This course supports the student in the synthesis of herbal knowledge by reviewing all categories of the science of

Chinese herb prescribing incorporated into most national and state exams on the subject, including herbal theory, single herbs, herb combinations, and herbal formulas, as well as the preparation and administration of herbs.

Prerequisite: fourth-year status

Traditional Arts of Cultivation

Chinese Calligraphy

Chinese calligraphy is an ancient and elegant art form that originated with the ancient Chinese shamans known as the Wu. Calligraphy is the traditional Wu's way of accessing the universal Qi for healing and creating harmonizing Feng Shui energy. Shamans have used brushes to express their healing power for thousands of years in China. Calligraphy is still used as a tool for cultivating inner knowledge and to understand the roots of classical Chinese medicine.

Elective: CCM 972E Chinese Calligraphy I

(1 lab credit)

Students will first learn how to use the basic tools of calligraphy, namely brush, ink and paper. Progressing through the basic strokes of Chinese writing to the writing of specifically chosen characters, this process is designed to enable their understanding of the relationship between characters, philosophy, and the universal qi. In the process students learn to harness and control their own internal qi.

Prerequisite: open to all NCNM students

Elective: CCM 976E Chinese Calligraphy II

(1 lab credit)

Students will learn new symbols and continue their inner cultivation as begun in Chinese Calligraphy I.

Prerequisite: CCM 972E

Qigong

Qigong literally means “energy work” or “energy cultivation.” Personal experience of, awareness of, and sensitivity to qi are considered imperative to the successful practice of classical Chinese medicine.

In a series of nine weekend retreats and sets of weekly practice sessions, students are immersed in the fundamentals of the Jinjing (Tendon and Channel) School of Qigong, one of China's true alchemical life science traditions. By way of traditional lineage instruction, students experience the elements of a deeply nourishing qigong practice, and learn to apply their skills and knowledge to the education and treatment of others. In particular, students learn to prescribe individualized qigong treatment plans for patients.

CCM 514/524 Qigong Retreat I, II, CCM 551/552 Qigong Practicum I, II

(1 lecture credit with .75 lab credit each)

The first and second qigong modules explore the alchemical and shamanic origins of qigong theory and practice. Students are introduced to the fundamentals of the Jinjing School of Qigong, including shaking (tou), walking (zou), and quiet meditation or “settling” (ding). A key element of these courses is the practice of the Universe Stance

(Yuzhou Zhuang) or Standing Meditation (Zhan Zhuang)—the position that occupies a central role in most Qigong traditions. A sitting “internal alchemy” form (neidan) is also emphasized.

Through these practices, students are guided to experience the phenomenon of qi in their bodies as well as in nature.

Prerequisites for CCM524/552, CCM 514/551

CCM 534 Qigong Retreat III, CCM 553 Qigong Practicum III

(1 lecture credit with .75 lab credit)

In addition to strengthening and deepening the practices learned in the first two modules, students learn the first eight-segment long form of the Jinjing School of Qigong, namely Yin Yang Harmonization Qigong (Yin Yang Sheng Jiang Kai He Gong).

Prerequisites: CCM 524/552

CCM 614 Qigong Retreat IV, CCM 654 Qigong Practicum IV

(1 lecture credit with .75 lab credit)

This qigong module integrates the medical concept of “strengthening the sinews” into the existing qigong practice through the introduction of a second eight-segment long form of the Jinjing School of Qigong, namely, the Strengthening the Sinews Qigong (Jinjian Gong).

Prerequisites: CCM 524/552

CCM 624 Qigong Retreat V, CCM 655 Qigong Practicum V

(1 lecture credit with .75 lab credit)

This qigong module teaches students the third eight-segment long form of the Jinjing School of Qigong, namely the Esoteric Eight Pieces of Brocade (Mi Baduan). At the same time, progress in the first stage

MSOM Course Descriptions, cont.

of the quiet meditation is discussed, and the second stage of the Microcosmic Orbit Meditation (Xiao Zhoutian) is introduced.

Prerequisites: CCM 524/552

CCM 634 Qigong Retreat VI, CCM 656 Qigong Practicum VI

(1 lecture credit with .75 lab credit)

Students learn the forth Jinjing Gong long form, the Five Sacred Peaks Qigong (Wuling Gong). This vigorous form strengthens the student's ability to integrate the scholarly (wen) and martial (wu) aspects of Qigong practice.

Prerequisites: CCM 524/552

CCM 714/724 Qigong Retreat VII, VIII, CCM 757/758 Qigong Practicum VII, VIII

(1 lecture credit with .75 lab credit each)

During the seventh and eighth modules, students learn the Fourteen Movements of Jinjing Gong (Jinjing Shisi Shi). This form is a seventeenth century refinement of the more broadly known Yijin Jing (Change the Sinews System of Exercises) from the Shaolin Tradition. In addition, students gain experience teaching the shaking, walking, quiet meditation and long forms learned in the previous modules, and develop expertise in the therapeutic prescription of qigong regimen for individual patients.

Prerequisites: CCM 524, 534, 614, 624, 634/552, 553, 654, 655, 656

CCM 733 Qigong Retreat IX, CCM 759 Qigong Practicum IX

(1 lecture credit with .75 lab credit)

This qigong module serves to deepen and assess each student's level of mastery of the performance and therapeutic

application of the qigong practices covered in the previous eight modules.

Prerequisites: CCM 724/758

Elective: CCM 740E/741E/742E Qigong Retreat X, XI, XII

(3 lecture credits)

This advanced elective series is designed for the serious qigong student who wishes to integrate the teaching of qigong into their clinical practice. This course may be taken as an elective without being admitted into the certificate program.

Prerequisites: CCM 733/759

Qigong Teaching Series

This series is designed for students admitted into the Qigong Certificate Program.

Elective: CCM 603E/604E/605E Teaching Medical Qigong I, II, III

(2 lecture credits each)

Over three quarters, the student moves from observer, to teaching assistant in a medical qigong class taught by NCNM faculty members, to teaching patients of NCNM's Natural Health Center teaching clinics.

Prerequisites: Acceptance into the Qigong Certificate Program, completion of Qigong and Qigong Practicum I-IX, and concurrent enrollment in Qigong X, XI, XII.

Elective: CCM 606E/607E/608E Teaching Medical Qigong IV, V, VI

(2 lecture credits each)

Over three quarters students, under the oversight of a faculty member, teach qigong classes to patients of NCNM's Pettygrove Classical Chinese Medicine clinic.

Prerequisites: CCM 603E/604E/605E

Taiji

Taiji Quan (T'ai Chi Ch'uan) literally means "the very pinnacle, highest, or greatest fist," i.e., martial art. A more useful translation might be "the ultimate exercise." Its precisely choreographed movements create a relaxing mind-body dance that stretches and strengthens the entire body. Its slow, deliberate moves develop balance and grace. Its meditative style facilitates harmonious breathing and a focused mind. It is, in short, meditation in motion. From a Chinese medical perspective, Taiji harmonizes the "three treasures," jing, qi, and shen (essence, energy, and spirit). Each class includes specially designed warm-up exercises, qigong, and detailed instruction in the form. The first year of study focuses on learning the sequence of movements and the correct way of doing each move.

Taiji I is required in the third year of the MSOM program. However, students are encouraged to take it sooner if they wish to take full advantage of the Taiji elective series. This series is open (on a space-available basis) to anyone, provided they have met the prerequisite coursework, with preference given to third-year MSOM students.

CCM 814 Taiji Retreat I, CCM 815 Taiji Practicum I, Yang Style

(1 lecture credit with .75 lab credit)

Yang Style is the most commonly practiced style of Taiji in both China and the United States. Because of this, many variations exist. First, there are the short and long forms, which vary the length of the practice from a few minutes to more than half an hour. We present a long form, known in China as

the 88, which takes about 30 minutes to perform. It requires three quarters, or one academic year, to learn in its entirety. Taiji I contains all the essential moves and principles of Taiji and constitutes an effective short form, so this one quarter stands on its own as a complete practice. The general philosophy of the yang style is less martial and more about health and spiritual cultivation, at NCNM we continue in that tradition.

Prerequisites: open to all NCNM students

Elective: CCM 964E/965E Taiji II, III, Yang Style

(1 lab credit each)

Taiji II and beyond are electives. Although Taiji II-III are designed to

be taken during the first year of the program, they may be taken anytime after Taiji I.

Prerequisites: each course in the series requires completion of the prior levels.

Elective: CCM 966E/967E/968E Taiji IV, V, VI, Yang Style

(1 lab credit each)

Traditional Mentorship Tutorial
In these two courses, small groups of students meet with a chosen mentor outside the classroom for personalized teaching and discussion, in the style of a traditional apprenticeship. Students thereby gain a deeper insight into the basic theories, diagnostic parameters, and modalities of Chinese medicine.

This process is designed to foster a more integrated understanding of the relationship between Chinese culture and Chinese medicine.

CCM 981/982/989 Traditional Mentorship Tutorial I, II, III

(1 lab credit each)

The tutorial classes are designed to facilitate direct and personal contact between students and instructors and thereby the culture and lineage system of a classical Chinese medicine education. Topics are discussed from the unique perspective of the mentor's own path of learning and knowledge integration.



MSOM Course Descriptions, cont.

Clinical Training Overview

The clinical training objectives of the program are fundamentally aligned with the overall intention to train quality practitioners in the art and science of Oriental medicine. The clinical aspect is expected to be a refinement of the knowledge base acquired in the academic portion of the program, with the implicit understanding that many important skills can only be attained in an applied context of a practical learning situation. These skills include, but are not limited to:

- Development of adequate knowledge and understanding of classical Chinese medical concepts and techniques.
- Evolution of interpersonal communication abilities.
- Refinement of problem-solving capacities and clinical judgment.
- Proficiency in executing the technical skills required to effectively apply treatments in Chinese medicine.

Clinical training consists of two sequential parts: observation and internship. Before clinical observation can occur, students need training in point location, Chinese herbal materia medica, and basic theory and philosophy of Chinese medicine. Before clinical internship commences, students need further development of interpersonal skills, diagnostic abilities, training in point actions,

and understanding of the Chinese formulary. The academic courses and sequence are designed to accomplish this goal.

To begin the first year observation component, students must successfully complete all first-year courses, as well as the clinical observation orientation seminar—where clinic policies and procedures are reviewed. The second year of observation requires successful completion of all prerequisite courses from the second year of study. Internship begins after successful completion of all third-year courses, observation shifts, and passing of the clinic entrance exam. A second clinical orientation is also required before beginning internship, during which more advanced aspects of clinic functions are addressed.

Students are gradually led through the clinical experience in a sequential fashion from active observation to being able to conduct a comprehensive patient intake and treatment. In the spirit of the classics, emphasis is placed on recognition of Chinese syndrome pattern differentiation (rather than symptomatic prescribing), with the goal of creating individual treatment plans designed to assist patients in returning to a more harmonious and balanced state.

Clinical Training

The five components within the clinical portion of the program are Observation, Medicinary Practicum, Special Topics, Internship, and Case Presentation. These are organized as follows:

Year of Study		Clinical Component	Brief description
MSOM	MSOM/ND		
2nd – 3rd	4th & 5th	Observation I-VI	Observe experienced practitioners treat patients
2nd – 3rd	4th or 5th	Medicinary Practicum	Learn the information and skills needed to run a successful Chinese medicine medicinary
4th	6th	Specialty Topics I-II	Observe and discuss treatment of difficult diseases
4th	6th	Internship I-XIV	Student (under supervision) assumes primary responsibility for diagnosis and treatment of patients
4th	6th	Presentation I-II	Presentation & discussion of cases with peers and supervisors

**CCM 800/810/820/830/831/832
Clinical Observation I, II, III, IV, V, VI**
(2 clinic credits each)

Clinical observation is a forum in which four or five observers watch a practitioner in session with a client. While observing, the objective is to absorb as much of the method and process of clinical practice as possible.

CCM 936 Medicinary Practicum
(1 clinic credit)

Under the supervision of the medicinary staff, students spend 24 hours learning the mechanics of running a successful Chinese medicine medicinary. In addition to learning practical aspects of the medicinary business, students learn to fill herbal prescriptions crafted for patients by interns and supervisors. The formulas are compounded using bulk herbs and granules. This provides students with hands-on exposure to formula composition, modification, and dosing, and enables them to become more intimate with the names, appearance, smell, and taste of the individual herbs.

**CCM 706/713 Clinical Specialty
Topics I, II**
(3 lecture credits each)

Specialty Topics is designed to provide a format for approaching modern disorders such as Lyme disease, multiple sclerosis, cancer, and other types of chronic and recalcitrant diseases from a classical perspective. In addition, clinical approaches to specialty areas such as pediatrics, gynecology, and geriatrics will be discussed. The analysis of particular case examples expands into a broad analysis of general approaches to the disorders in question.

**CCM 745/746 Clinical Case
Presentation I, II**
(1 clinic credit each)

Clinical case presentation classes provide an opportunity for interns to present case histories of chosen clients, receiving feedback and critique by fellow interns and a supervisor.

**CCM 900-902/911-913/921-
923/930-934 Clinical Internship I,
II, III, IV, V, VI, VII, VIII, IX, X, XI, XII,
XIII, XIV** (2 clinic credits each, except for
XIV, which is 1 clinic credit)

During clinical internship the student assumes primary responsibility for the diagnosis and treatment of clients under the supervision of experienced practitioners. Includes one required holiday clinic shift.

**Classical Chinese
Medicine Certificate
Programs**

ND students in good academic standing are eligible to apply for admission into the classical chinese medicine certificate programs. Due to space constraints, admission is limited. These are not degree programs and do not lead to eligibility to sit for licensure exams. Contact the Office of Admissions for further information, 503-552-1660.

Qigong Certificate Program

The Qigong Certificate Program is taught in two levels, with each level having a separate admissions screening process. The first level, academically focused, may be pursued concurrently with the ND program and is presented over a

three-year period. It involves coursework from the MSOM program. This level of the Qigong program includes four courses in theory, nine weekend retreat courses, and nine quarters of one-hour qigong practice sessions. The student who successfully completes this portion of study may apply for admission into the second level, the teaching portion of the program. Over the subsequent two years, the student continues qigong coursework, progressing from observing qigong instruction of NCNM patients and students to three quarters of teaching qigong.

Shiatsu Certificate Program

This part-time program is spread over two years and includes Shiatsu I-VI (see Shiatsu course descriptions). It is designed to be pursued concurrently with either the MSOM or ND programs. At the end of the certificate program students will be fully prepared to use Shiatsu as an independent treatment modality.



MSOM Curriculum

first year

Course #		Clinic	Lab	Lecture	Hours	Credits
FIRST YEAR FALL						
CCM418	Foundations of Classical Chinese Medicine			36	36	3.00
CCM 411	Chinese Organ Systems; Cosmology & Symb I			36	36	3.00
CCM410	Integrative Anat, Physio & Biochem I			48	48	4.00
CCM417	Human Organ Systems: Phenom I			36	36	3.00
CCM438	Oriental Body Work		24		24	1.00
CCM514	Qi Gong I Retreat			12	12	1.00
CCM551	Qi Gong I Practicum		18		18	0.75
CCM414	Integrative Nutrition I			24	24	2.00
	First Year Fall Totals	0.00	42.00	192.00	234.00	17.75
FIRST YEAR WINTER						
CCM 421	Chinese Organ Systems; Cosmology & Symb II			36	36	3.00
CCM420	Integrative Anat, Physio & Biochem II			48	48	4.00
CCM427	Human Organ Systems: Phenom II			36	36	3.00
CCM425	Chinese Diagnostic Techniques I		12	12	24	1.50
CCM416	Palpation & Perception I Lab		24		24	1.00
CCM524	Qi Gong II Retreat			12	12	1.00
CCM552	Qi Gong Practicum II		18		18	0.75
CCM424	Integrative Nutrition II			12	12	1.00
	First Year Winter Totals	0.00	54.00	156.00	210.00	15.25
FIRST YEAR SPRING						
CCM 434	Chinese Organ Systems; Cosmology & Symb III			36	36	3.00
CCM432	Integrative Anat, Physio & Biochem III			48	48	4.00
CCM437	Human Organ System: Pheno III			36	36	3.00
CCM435	Chinese Diagnostic Techniques II		12	12	24	1.50
CCM426	Palpation & Perception II Lab		24		24	1.00
CCM534	Qi Gong III Retreat			12	12	1.00
CCM553	Qi Gong Practicum III		18		18	0.75
CCM430	Practitioner Cultivation I		12	12	24	1.50
CCM445	Oriental Dietetics		12	12	24	1.50
	First Year Spring Totals	0.00	78.00	168.00	246.00	17.25
	FIRST YEAR TOTALS	0	174	516	690	50.25

MSOM Curriculum

second year

Course #		Clinic	Lab	Lecture	Hours	Credits
SECOND YEAR FALL						
CCM412	Chinese Pathology I			24	24	2.00
CCM415	Integrative Pathology I			24	24	2.00
CCM516	Integrative Clinical/Physical Diagnosis I			24	24	2.00
CCM517	Integrative Physical Diagnosis Lab I		24		24	1.00
CCM511	Herbs I w/lab		12	36	48	3.50
CCM512	Acu-Moxa Points I			36	36	3.00
CCM513	Acu-Moxa Techniques I			24	24	2.00
CCM413	Acu-Moxa Anatomy I		24		24	1.00
CCM614	Qi Gong IV Retreat			12	12	1.00
CCM654	Qi Gong Practicum IV		18		18	0.75
	Second Year Fall Total	0.00	78.00	180.00	258.00	18.25
SECOND YEAR WINTER						
CCM422	Chinese Pathology II			24	24	2.00
CCM428	Integrative Pathology II			24	24	2.00
CCM526	Integrative Clinical/Physical Diagnosis II			24	24	2.00
CCM529	Integrative Physical Diagnosis Lab II		24		24	1.00
CCM521	Herbs II w Lab		12	36	48	3.50
CCM522	Acu-Moxa Points II			36	36	3.00
CCM523	Acu-Moxa Techniques II			24	24	2.00
CCM423	Acu-Moxa Anatomy II		24		24	1.00
CCM624	Qi Gong V Retreat			12	12	1.00
CCM655	Qi Gong Practicum V		18		18	0.75
	Second Year Winter Total	0.00	78.00	180.00	258.00	18.25
SECOND YEAR SPRING						
CCM431	Chinese Pathology III			24	24	2.00
CCM439	Integrative Pathology III			24	24	2.00
CCM546	Integrative Clinical/Physical Diagnosis III			24	24	2.00
CCM538	Integrative Physical Diagnosis Lab III		24		24	1.00
CCM531	Herbs III w/lab		12	36	48	3.50
CCM532	Acu-Moxa Points III			36	36	3.00
CCM533	Acu-Moxa Techniques III			24	24	2.00
CCM433	Acu-Moxa Anatomy III		24		24	1.00
CCM634	Qi Gong VI Retreat			12	12	1.00
CCM657	Qi Gong Practicum VI		18		18	0.75
CCM936	CCM Medicinary Practicum (may be taken any quarter 2nd yr)	24			24	1.00
	Second Year Spring Total	24.00	78.00	180.00	282.00	19.25
	SECOND YEAR TOTALS	24	234	540	798	55.75

MSOM Curriculum

third year

Course #		Clinic	Lab	Lecture	Hours	Credits
CCM800	THIRD YEAR SUMMER Clinic Observation I	48			48	2.00
CCM810	Clinic Observation II	48			48	2.00
CCM820	Clinic Observation III	48			48	2.00
	Third Year Summer Totals	144.00			144.00	6.00
Course #	THIRD YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
CCM830	Clinic Observation IV	48			48	2.00
CCM610	Internal Medicine I			36	36	3.00
CCM611	Herbs IV			36	36	3.00
CCM612	Acu-Moxa Points IV			36	36	3.00
CCM613	Acu-Moxa Techniques IV			36	36	3.00
CCM814	Tai Ji I Retreat Yang Style			12	12	1.00
CCM815	Tai Ji I Practicum Yang Style		18		18	0.75
CCM757	Qi Gong Practicum VII		18		18	0.75
CCM717	Practitioner Cultivation II		12	12	24	1.50
CCM813	Integrative Immunology			24	24	2.00
	Third Year Fall Totals	48.00	48.00	192.00	288.00	20.00
Course #	THIRD YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM831	Clinic Observation V	48			48	2.00
CCM620	Internal Medicine II			36	36	3.00
CCM621	Herbs V			36	36	3.00
CCM622	Acu-Moxa Points V			36	36	3.00
CCM623	Acu-Moxa Techniques V			36	36	3.00
CCM758	Qi Gong Practicum VIII		18		18	0.75
CCM527	Integrative Pharmacology of Natural Substances			24	24	2.00
CCM723	Business Seminar I			24	24	2.00
	Third Year Winter Totals	48.00	18.00	192.00	258.00	18.75
Course #	THIRD YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM832	Clinic Observation VI	48			48	2.00
CCM710	Internal Medicine III			36	36	3.00
CCM631	Herbs VI			36	36	3.00
CCM632	Acu-Moxa Points VI			36	36	3.00
CCM633	Acu-Moxa Techniques VI			36	36	3.00
CCM759	Qi Gong Practicum IX		18		18	0.75
CCM539	Integrative Pharmacology of Drugs			24	24	2.00
CCM732	Microbiology & Public Health			36	36	3.00
CCM980	Community Service (any quarter 3 or 4 Year)	24			24	1.00
	Third Year Spring Totals	72.00	18.00	204.00	294.00	20.75
	THIRD YEAR TOTALS	312	84	588	984	65.5

MSOM Curriculum

fourth year

Course #		Clinic	Lab	Lecture	Hours	Credits
FOURTH YEAR SUMMER						
CCM900	Clinic Internship I	48			48	2.00
CCM901	Clinic Internship II	48			48	2.00
CCM902	Clinic Internship III	48			48	2.00
CCM992	Masters Thesis I			12	12	1.00
	Fourth Year Summer Totals	144	0	12	156	7.00
FOURTH YEAR FALL						
CCM911	Clinic Internship IV	48			48	2.00
CCM912	Clinic Internship V	48			48	2.00
CCM913	Clinic Internship VI	48			48	2.00
CCM981	Traditional Mentorship Tutorial I		24		24	1.00
CCM739	Acu-Moxa Review			12	12	1.00
CCM706	Clinical Specialty Topics I			36	36	3.00
CCM993	Master Thesis II			12	12	1.00
CCM745	Clinical Case Presentation I	24			24	1.00
CCM718	Chinese Medical Psychology			24	24	2.00
CCM714	Qi Gong VII Retreat			12	12	1.00
	Fourth Year Fall Totals	168	24	96	288	16.00
FOURTH YEAR WINTER						
CCM921	Clinic Internship VII	48			48	2.00
CCM922	Clinic Internship VIII	48			48	2.00
CCM923	Clinic Internship IX	48			48	2.00
CCM982	Traditional Mentorship Tutorial II		24		24	1.00
CCM999	Master Thesis III			12	12	1.00
CCM713	Clinical Specialty Topics II			36	36	3.00
CCM746	Clinical Case Presentation II	24			24	1.00
CCM737	Ethics & Jurisprudence			12	12	1.00
CCM738	Herbs Review			12	12	1.00
CCM719	Classical Case Studies I			24	24	2.00
CCM724	Qi Gong VIII Retreat			12	12	1.00
	Fourth Year Winter Totals	168.00	24.00	108.00	300.00	17.00
FOURTH YEAR SPRING						
CCM731	Business Seminar II			24	24	2.00
CCM930	Clinic Internship X	48			48	2.00
CCM931	Clinic Internship XI	48			48	2.00
CCM932	Clinic Internship XII	48			48	2.00
CCM933	Clinic Internship XIII	48			48	2.00
CCM934	Clinic Internship XIV	24			24	1.00
CCM989	Traditional Mentorship Tutorial III		24		24	1.00
CCM721	Classical Case Studies II			24	24	2.00
CCM734	Qi Gong IX Retreat			12	12	1.00
	Fourth Year Spring Totals	216.00	24.00	60.00	300.00	15.00
	FOURTH YEAR TOTALS	696	72	276	1044	55
	TOTALS	Clinic	Lab	Lecture	Hours	Credits
	First year totals		174	516	690	50.25
	Second year totals	24	234	540	798	55.75
	Third year totals	312	84	588	984	65.5
	Fourth year totals	696	72	276	1044	55
	Total Hour Requirements	1032	564	1920	3516	227

MSOM Curriculum

electives

Course #	ELECTIVES	TERM OFFERED	Clinic	Lab	Lecture	Hours	Credits
CCM991	Shiatsu I	Fall		36		36	1.50
CCM997E	Shiatsu II	Winter		36		36	1.50
CCM998E	Shiatsu III	Spring		36		36	1.50
CCM964E	Tai Ji II Yang Style	Winter		12		12	0.50
CCM965E	Tai Ji III Yang Style	Spring		12		12	0.50
CCM966E	Tai Ji IV Yang Style	Fall		12		12	0.50
CCM967E	Tai Ji V Yang Style	Winter		12		12	0.50
CCM968E	Tai Ji VI Yang Style	Fall		12		12	0.50
CCM805	Shiatsu IV	Fall		36		36	1.50
CCM806	Shiatsu V	Winter		36		36	1.50
CCM807	Shiatsu VI	Spring		36		36	1.50
CCM603	Teaching Medical Qi Gong I	Fall			24	24	2.00
CCM604	Teaching Medical Qi Gong II	Winter			24	24	2.00
CCM605	Teaching Medical Qi Gong III	Spring			24	24	2.00
CCM606	Teaching Medical Qi Gong IV	Fall			24	24	2.00
CCM607	Teaching Medical Qi Gong V	Winter			24	24	2.00
CCM608	Teaching Medical Qi Gong VI	Spring			24	24	2.00
CCM740E	Qi Gong X	Fall			24	24	2.00
CCM741E	Qi Gong XI	Winter			24	24	2.00
CCM742E	Qi Gong XII	Spring			24	24	2.00
CCM994E	Yi-Jing				24	24	2.00
CCM972E	Chinese Calligraphy I			24		24	1.00
CCM976E	Chinese Calligraphy II			24		24	1.00
CCM540E	Auricular Therapy				24	24	2.00
CCM971E	Classical Texts I				24	24	2.00
CCM973E	Classical Texts II				24	24	2.00
CCM974E	Classical Texts III				24	24	2.00
CCM977E	Classical Texts IV				24	24	2.00
CCM978E	Classical Texts V				24	24	2.00
CCM979E	Classical Texts VI				24	24	2.00

Academic Policies

Registration

The Office of the Registrar will notify students regarding registration details. All continuing students register for the upcoming academic year's classes by the end of spring quarter.

Students may attend only the specific course sections for which they are registered. Non-adherence to this policy will result in no credit for the course. Students may not register for courses, labs, or clinic shifts that occur at overlapping times. Credit will be earned for only one course during any given segment of time. All changes in courses and sections must be made through the Office of the Registrar.

Students who wish to register for less than the full-time curriculum or a modified curriculum must receive written approval from the program dean. No student may register for or begin classes after the end of the second week of any quarter.

Eligibility to Register

Non-matriculated students may register to audit courses with the approval of the registrar and program dean. Approval is based upon space availability and meeting of prerequisite requirements.

Graduates of accredited ND or MSOM programs may apply for entry into certificate programs offered at NCNM, provided they meet the specific requirements.

Practitioners seeking continuing education units (CEUs) should contact the Office of Student and Alumni Affairs.

Challenge Examinations

NCNM policy allows an individual to challenge by examination the content of a required course. The faculty member responsible for the course being challenged prepares the exam. This option is available to students who have appropriate prior coursework as outlined in the transfer credit policies available from the Office of Admissions. Challenge exams may be given when there is a difference in hours between a transfer course and the College's course and/or a question of equivalency of material covered. Challenge examinations must be taken prior to the offering of the course that is being challenged, with the exam taken, graded and the grade submitted to the registrar no less than two weeks prior to the start of the quarter in which the course is offered. To be considered for a challenge exam, the student must:

- Complete transfer credit review during the admissions process to identify which courses may be eligible for challenge.
- Complete a challenge exam form obtained from the registrar.
- Have the challenge exam application approved by the faculty member and dean of the program in which the course is offered.
- Pay the challenge exam fee in addition to 50% of the per credit cost of the course.

Auditing

Students may audit a course, space allowing, if they have met the prerequisites, have obtained the instructor's consent, and have registered for the course. The course will appear

on the student's official transcript as an audit, even though auditing means that a student will not be evaluated or receive credit. Classes taken as an audit must be declared by the end of the quarter's second week. Audited courses are not eligible for challenge exams. (See the Financial Policies section for information on fees.)

Attendance and Tardiness

NCNM expects prompt and regular class attendance. Faculty members may require students to attend up to 100 percent of scheduled classes in order to pass a course. Instructors may take into account habitual tardiness when calculating a course or clinic grade.

Grading and Promotion

NCNM maintains high standards of scholarship and at the same time recognizes its responsibility to provide each student the best opportunity to complete the program successfully. At the beginning of each course, the instructor is required to define clearly for the members of that class the objectives of the course and the standards and methods that student achievement will be measured. At the end of each course, students' performances are reported to the registrar, using the following grading system:

- H (HONORS) superior performance
- P (PASS) satisfactory performance
- NP (NEAR PASS) marginal performance (temporary grade)
- F (FAILURE) unsatisfactory performance

Academic Policies, cont.

- I (INCOMPLETE) course requirements not yet completed due only to serious illness or bereavement (temporary grade)
- W (WITHDRAWAL) student withdrew from course
- WF (WITHDRAWAL, FAILING) student withdrew from course while failing
- AU (AUDIT)

Grade of “NP”

Instructors may give a grade of “NP” when a student is close to passing (within 10%) and can complete the course requirements within four weeks after grades are posted. “NP” grades that are not satisfied within that time frame automatically change to “F”. Some courses do not lend themselves to this approach and it is at the discretion of the instructor whether they use this grade. “NP” may only be converted to a “P”, not an “H”. An “NP” grade from spring quarter may be completed up to the end of week two in fall quarter.

Grade of “F”

When a student receives a failing grade in a required course, she or he must repeat the class the next time it is offered, usually the next year. The student is prohibited from continuing in any courses that the failed course is a prerequisite. The student will repeat the course at the current per-credit rate.

Grade of “I”

It is the responsibility of the student receiving an “I” grade to complete the course requirements as specified by the instructor and to see that the registrar receives proper notification of the grade

change. A grade of incomplete that is not converted to a passing grade within four weeks after grades are posted will automatically become a grade of “F”. If the grade of “I” is due to ongoing illness and cannot be made up within four weeks, the student will be required to take a medical leave of absence for the quarter, and a grade of “W” be given for the class. Withdrawal will affect the student’s ability to continue in certain course sequences in subsequent quarters. An “I” grade from spring quarter may be completed up to the end of week two in the fall term.

College Advising

Upon entering NCNM, each student is assigned an advisor by Student and Alumni Affairs staff. The advisors, including ND, MSOM, and administrative faculty are ongoing contacts for their assigned student throughout the duration of the student’s enrollment. Advisors facilitate a connection to the College, ensure that students understand general academic policies and procedures and assist in general student support. Advisors help students by referring them to appropriate staff and other resources. They will also be a point of contact for other faculty to register any concerns and when needed serve as a starting point for a college response. College advisors who are not physicians will have their advisees paired with clinic advisors once the students enter the clinic.

Advisors meet with their first-year advisees early in the school year and then on an as-needed basis. Advisors have a file of resources, updated regularly by Student and Alumni Affairs staff, to help

guide the student appropriately. Clinic advising involves a meeting of advisors and advisees to review current quarterly status reports. Academic advising is managed by the associate program dean upon the referral from College advisors.

Academic Advising

The associate program deans administer academic advising. Guidance is available to assist in creating a personal timetable for students on an extended program, as well as for academic and professional progress. Although students are not required to consult with an advisor, students who are not making satisfactory academic progress must consult with the associate dean. Students who are pursuing any program other than the standard four-year ND, four-year MSOM, or six-year dual degree program must confer with their program’s associate dean to ensure all requirements are met.

Each program’s associate dean is responsible for advising on:

- Academic probation.
- Changing tracks (four to five year, etc.).
- Leaves of absence (regular or medical).
- Questions regarding the dual degree program.
- Requests for permission to take exams early or late (in extraordinary circumstances only).
- Grade appeals counseling. Actual appeals are handled by the program dean.

Satisfactory Academic Progress

Students must maintain satisfactory academic progress toward a degree in order to continue in the program. Moreover, federal regulations require that financial aid applicants and recipients maintain satisfactory academic progress toward their degrees. Satisfactory academic progress is defined as follows:

- Students must achieve a “pass” or “honors” grade in all required courses.
- Students must pass a minimum of thirty-three credits in an academic year, including all required courses for full-time ND, MSOM, or dual degree.
- Students must complete all coursework and meet graduation requirements within six years of matriculation into the MSOM program, or within seven years into the ND or dual-degree program.
- Students must pass all clinic exam requirements—Graduate Proficiency Assessments (GPAs) in the ND program, Clinic Entrance and Exit Exams in the MSOM program.

Academic Probation

Students failing required courses will be placed on academic probation. When placed on probation, all students must meet with their program’s associate dean and sign an Academic Action Plan within one week. This agreement will delineate a timetable for repeating failed courses, identify other needed resources, and requires that the student not fail any other required courses during the probationary period. Students may not register or receive financial aid until a current Academic Action Plan is on file in

the registrar’s office. Students who fail to complete an Academic Action Plan will be withdrawn from any courses in which they are currently enrolled.

Students are removed from academic probation once any courses or clinic shifts are repeated and passed and the terms of the Academic Action Plan are met.

Unsatisfactory Academic Progress

Students who do not make satisfactory academic progress may be referred to the Academic Review Committee. This committee reviews student progress both in required courses and in the clinic. Essential elements reviewed include, but are not limited to:

- Failure of a course or clinic shift.
- Failure to complete an Academic Action Plan in a timely manner.
- Failure to comply with the terms of an Academic Action Plan.
- Violations of professional conduct.

The Committee will review the situation, meet with the student, and make a recommendation to the program dean of appropriate action to be taken. Possible actions include:

- A revised Academic Action Plan.
- Suspension from NCNM or from a specific program for up to a year.
- Dismissal from NCNM or from a specific program.

Dismissals from the College may occur in the following cases:

- Failure to satisfy an Academic Action Plan.
- Failure of two clinic shifts in an academic year.
- Failure of three required classes in a given quarter.
- Failure of two sequential classes.
- Failure of same class twice.
- Violations of professional conduct.
- Failure to meet the technical standards.

Appeal of Academic Dismissal

A student suspended or dismissed will have ten business days from the date of the academic dismissal notification to appeal to the provost in writing. Such an appeal must include the basis for the appeal and provide a detailed plan for successful completion, if the student is allowed to remain enrolled. The provost will respond with a final decision.

Examination Schedule Change

Students are required to complete all examinations on schedule. Detailed procedures for deferring exams are outlined in the Student Handbook. A student may postpone exams for health reasons no more than twice during their course of study. Need for a third examination, deferred for health reasons, requires approval by the dean of Student and Alumni Affairs. See the Student Handbook for details regarding missing an exam due to illness, family emergency or bereavement. (See Financial Policies section regarding fees.)

Deferred exams must be taken within one week of the original examination

Academic Policies, cont.

date and may be scheduled through the specific academic department or the dean of clinics. Students who defer exams will be asked to sign an affirmation, prior to taking the exam, which states they have not received knowledge about the exam from other students.

Graduation Requirements

Candidates for graduation must:

- Satisfy all courses in the prescribed curriculum.
- Satisfy clinic requirements.
- If a transfer student, complete at least the final year of professional training enrolled as a student at NCNM.
- Satisfy all financial obligations to NCNM.
- ND students commencing their studies after July 1, 2005 must complete a minimum of 15 credits of electives.

Only students who have completed all their academic coursework, thesis and clinic hours by the scheduled commencement ceremonies may participate in the ceremony and in taking the oath. Students who have not completed all requirements may participate in the following year's ceremony.

Voluntary Leave of Absence

Students considering a leave of absence should schedule an appointment with the director of Student Services or dean of Student and Alumni Affairs. A student may apply for a leave of absence of up to one year, which entitles the student to re-enter NCNM provided there is space in his or her class during the next calendar year. Students taking less than

a full year off often cannot continue with a full class load due to sequential courses and missing prerequisites. The ND and MSOM associate deans can guide students through their new schedule.

The registrar must be advised of a student's intention to return to NCNM at least one month before the beginning of the quarter in which he or she plans to register. If a student does not return within one year, he or she will be considered withdrawn from NCNM. A leave of absence normally will be granted to any student who is in good standing (i.e., has no outstanding grades of Incomplete, Near Pass or Failure for required courses and is not on academic or disciplinary probation), and who has satisfied all financial obligations to NCNM.

Medical Leave of Absence

Students considering a medical leave of absence must schedule an appointment with the director of Student Services or dean of Student and Alumni Affairs. In the case of a medical leave of absence, which may be granted to a student on academic probation, appropriate documentation is required from the attending physician. The physician must indicate the necessity of granting the leave and subsequently the student's fitness for returning to the program.

If a student on leave does not return within one year, he or she will be required to submit a new application for admission. The student will need to satisfy admission requirements in effect at the time of reapplication, but may request that the application fee be waived.

Withdrawal from School

Students considering withdrawing from school should schedule an appointment with the director of Student Services or dean of Student and Alumni Affairs. Students withdrawing from school at any time during the school year must complete an exit interview and a Status Change Form available in Student Services. Failure to register for any quarter is considered a withdrawal, and the student will need to submit a new application and application fee for admissions.

Federal Loan Exit Interviews

Federal regulations require that any student who has received a federal loan while attending NCNM and who leaves for any reason, including official leaves of absence, must participate in a loan exit interview. Loan exit interviews are conducted by the financial aid office.

Independent Study

A required course may be completed as an independent study only in exceptional circumstances. This may be an option for students who have a scheduling conflict for required courses when it is not academically beneficial to delay taking the class until the following year. Scheduling conflicts of this sort may occur for transfer or second professional degree students admitted with advanced standing or for students who have had their normal program progress interrupted (e.g., medical leave of absence). This option does not apply to students following standard program plans. Independent studies may be arranged for required courses by contacting the appropriate program dean,

who will in turn obtain the approval from the appropriate faculty. (See the section on Financial Policies for fee information.)

Conduct and Professional Standards

NCNM expects all students to maintain professional standards of conduct and appearance. These standards are found in the academic and nonacademic policies and procedures section of the Student Handbook and in the material designed to guide student clinicians. The naturopathic oath, the classical Chinese medicine oath, state laws and regulations, and documents of professional organizations such as the American Association of Naturopathic Physicians (AANP) provide further insight concerning professional standards of conduct. The Student Conduct Code in the Student Handbook specifies procedures for investigating violations of College policies and the sanctions that may be imposed.

Academic Freedom

NCNM faculty and students are free to question, discover and test all knowledge appropriate to their discipline as judged by the academic community in general.

Student Records

The registrar maintains permanent records of each student enrolled at NCNM. A student's record contains an application file, personal information necessary for the business of NCNM, grade reports, and records of any official action by NCNM concerning that student. The business office, financial aid office, student affairs office, and academic office may also maintain student files as

required by their respective functions. These records may be examined by the individual student upon written request. NCNM adheres to the intent of the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment) and to that end will observe the following guidelines:

- College officers may review student records.
- NCNM holds the following information as directory information, which may be disclosed in response to legitimate requests: name, address, telephone number, email address, dates of attendance, class schedule, enrollment status (full-time, part-time, leave of absence), academic program, graduation date, and awards received.
- Personal information about students will not be shared with third parties on or off campus except as directed in writing by the student, the courts, or governmental authorities.
- A student who believes information contained in official records is inaccurate, misleading, or a violation of privacy may request that the records be amended.
- A student has the right to file complaints with the appropriate agencies concerning alleged failures by NCNM to comply with applicable laws and rules, and/or their implementing regulations.
- In the event of a disagreement between student and administration as to the disposition of an issue, the student has the right to have placed in his or her academic file a statement reflecting his or her position.

Each student is responsible for furnishing, completely and accurately, all information required by NCNM so that it may perform its proper function as an educational institution. If a student's circumstances change (e.g., name, address, financial situation, etc.) he or she is responsible for seeing that appropriate College officials are informed of the changed circumstance as soon as possible.

No part of a student's file, except directory information as noted above, will be released to any person outside of NCNM without written consent of the student, except as required by law. Records for students attending NCNM under the provisions of the Veterans Administration will be accessible to certain authorized state and federal personnel without prior consent in accordance with 45 CFR, part 99.31 and part 99.35.

The Buckley Amendment does not apply to employment situations, nor does it apply to candidates for matriculation to NCNM. However, the human resources office and admissions office adhere strictly to guidelines of professional conduct. All student admission applicant and employee applicant records are the property of NCNM and will not be released or returned except as outlined above.

Academic Policies, cont.

Change of Program Track

Students desiring a track change must meet with their program dean. Change of track requests must be completed by the end of week eight of the quarter prior to the quarter the change will take effect. For example, the form must be completed by week eight of fall quarter for a winter quarter change. Charges and refunds will be based on the fee structure of the new track. (See the Financial Policies section for information on fees.)

Adding/Dropping Courses and Shifts

To add or drop a course, a student must submit an add/drop form to the registrar. In addition, students who are on federal

financial aid and whose reduced course loads change their status from full-time to part-time must meet with the director of Financial Aid. Classes may be added, dropped, or changed to audit (electives only) during the first two weeks of the quarter; as well, sections may be changed within this time. Courses may be dropped during the third or fourth week of the quarter only with the permission of the instructor and associate dean. Courses dropped during this period will receive a grade of “W” or if there is a basis for it, “WF”. After the end of week four, there are no withdrawals.

Students with medical concerns should contact the director of Student Services or

the dean of Student and Alumni Affairs. Clinic shifts can be added or dropped two weeks prior to the beginning of the term after which time a \$50 fee is assessed. After the start of any term there is no longer an option to add or drop a clinic shift.

Full-Time/Half-Time Student Status

Full-time student status requires enrollment of no fewer than eleven credits per quarter. Half-time student status requires enrollment of at least 5.5 credits. Students who are on financial aid who reduce their course loads from full-time status must meet with the director of Financial Aid.



Student Affairs

Student Handbook

Students are responsible for reading and understanding all policies and information listed in the current Student Handbook. A current Student Handbook can be found at www.ncnm.edu under the Student Services section. Paper copies are available in Student Services.

Student Government Association

The NCNM Student Government Association (SGA) is an elected government of the student body that oversees the management and distribution of the student activity fees collected each quarter with registration. The mission of the SGA is “to serve as a forum in which the common needs of the diverse NCNM Student Body are identified and to use Student Association resources to address those needs and to enhance the student experience at NCNM.”

Students elect a central management team—president, vice-president, secretary, treasurer and judicial liaison, as well as class officers and student representatives to college committees. Elections for SGA positions occur every spring quarter except for the incoming first year class whose class-wide election will be conducted in the fall quarter. All members of the student body are invited to attend and participate in all SGA meetings. For more information, consult any class representative or member of the SGA.

Student Disability Support Services

Student and Alumni Affairs staff coordinate student accommodations based on Section 504 of the Americans with Disabilities Act. Students with questions should contact the director of Student Services.

Campus Crime Statistics

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, codified at 20 USC 1092 (f) as a part of the Higher Education Act of 1965, is a federal law that requires colleges and universities to disclose certain timely and annual information about campus crime and security policies. In accordance with U.S. Public Law 101-542, the Crime Awareness and Campus Security Act of 1990, the College annually publishes and distributes statistics concerning the occurrence on campus of reportable criminal offenses that are reported to campus security authorities. These statistics are available to all students and employees of NCNM. Statistics are also posted online at <http://www.ope.ed.gov/security>. Students and employees are advised of campus security procedures and practices, incident reporting and crime prevention during training, and are encouraged to be responsible for their own security and the security of others.

Health Care Information

All enrolled students at NCNM are required to carry medical health insurance coverage. The College offers two options. If a student possesses their own policy, he or she may waive the student health insurance by providing a completed NCNM Student Health Insurance Waiver Form with proof of coverage to the Office of Student and Alumni Affairs no later than the end of the second week of classes of Fall term (or first term of enrollment).

Counseling Services

Several different types of counseling services are offered for students at NCNM. The Office of Admissions can assist new and prospective students with questions regarding program offerings and admission questions. The Office of Financial Aid can assist students with financial counseling. Academic advising is administered by department chairs and through the associate chair for Academic Affairs. The Office of Student and Alumni Affairs coordinates professional personal counseling services.

Housing

Although on-campus housing is not available, NCNM is located near residential areas with ample rentals at reasonable rates. Students may contact the Office of Student and Alumni Affairs for additional information.

Student Identification Cards

The Office of Safety and Security issues all students a photo identification card on completion of New Student Orientation. Carrying a photo ID is recommended at all College facilities and required at all NCNM clinics and for entrance to the main campus after hours. This card will also allow students to check out books at the NCNM library and at several other Portland college libraries (Oregon Health and Science University, Oregon College of Oriental Medicine, Western States Chiropractic College, and Linfield College, Portland campus) with which NCNM has borrowing agreements.

Student Affairs, cont.

Substance Abuse Policy and Program

NCNM is in compliance with U.S. Public Law 100-297 and the Improving America's Schools Act of 1994 (U.S. Public Law 103-382). NCNM policy prohibits unlawful possession, use, or distribution of illicit drugs by students or employees on or off the College premises. A copy of the Substance Abuse Policy and Program is contained in the Student and Employee Handbooks.

Remote Classroom and Children on Campus

A remote classroom with audio/video live feeds are available for nursing mothers and others only with the permission of the director of Student Services. Please note that not all classes are available for remote viewing due to the nature of some classes and specific instructor requirements. Babies in arms are permitted in remote rooms, but parents must find off-site childcare once babies begin crawling or are over twelve

months of age. Due to academic concerns regarding class participation and video education, students are permitted to use the remote classroom for a maximum of two quarters during their degree (or dual degree) program at NCNM. Babysitting is not available on campus, nor is it possible to make private arrangements for on-campus babysitting. Parents are required to make suitable arrangements for off-site childcare so that they can attend class.

Department of Professional Development

The Department of Professional Development is dedicated to enhancing the professional development of students and alumni. This department coordinates career development, alumni support, the preceptor program, and continuing education. The goal of this department is to assist in creating a smooth transition between school and professional life and to support alumni in exploring all of their professional options.

Career Development

The Professional Development staff provides support for students and alumni pursuing careers in naturopathic and classical Chinese medicine. We offer a series of business workshops and career seminars to supplement students' business education and promote the professional success of alumni. In addition, we maintain an online job posting database and assist employers with recruitment of graduates.

Preceptor Program

As part of clinical education, students in the naturopathic program are required to observe licensed physicians in practice. The professional development staff coordinates scheduling with 50-60 Portland-area physicians, or preceptors, and maintains a database of about 1500 physicians across the country who students can contact directly.

Continuing Education

NCNM is committed to offering quality continuing education programs that address the needs of alumni and the profession at large. In addition to weekly Grand Rounds open to the local naturopathic community, the College offers evening and weekend seminars and certifies some advanced classes for continuing education.

Certificate Programs

See the ND and MSOM sections for availability of advanced study and certificate programs in areas of specialization.



Organization and Governance

NCNM is a nonprofit 501(c)3 corporation organized under Oregon law. The College is governed by a board of directors whose members serve three-year terms and represent the general community. The board of directors oversees the organization and exercises management through the president. NCNM's day-to-day operations are performed by the president, administration, faculty, and staff.

Board of Directors

Executive Committee Members:

Chair	Pauline A. Baumann, ND, National College of Naturopathic Medicine.
Vice-Chair	Nancy W. Garbett, MEd, Brigham Young University.
Secretary	Arthur A. Vandenbark, PhD, Washington State University.
Treasurer	Edward N. Hall, BA, McMaster University.
Immediate Past Chair	Scott D. South, BS, Oregon State University.
President, Ex-Officio	William J. Keppler, PhD, University of Illinois of Urbana-Champaign.

Directors:

John R. Campbell, PhD, University of Missouri-Columbia.
Ellen Goldsmith, MSOM, National College of Naturopathic Medicine.
Janie Gooden Greenleaf, DPA, Nova Southeastern University.
Jere A. High, ND, National College of Naturopathic Medicine.
Michael G. Manes, BS, University of Louisiana-Lafayette.
Steven Paul Marsden, DVM, University of Saskatchewan; ND, MSOM, National College of Naturopathic Medicine.
David R. Odiorne, MS, University of Maine; DC, Palmer College of Chiropractic.
Kassia Sing, BA, Wellesley College.
David Zava, PhD, University of Tennessee.

Campus Representation (Non-voting):

Faculty Representative	Jim Cleaver.
Staff Representative	Heather C. Schiffke, MATCM.
Student Representative	Travis Thurston, ND 3.

Administration

Office of the President

President, William J. Keppler, PhD, University of Illinois of Urbana-Champaign.
Executive Assistant, Melissa Stivers, BA, Portland State University.
Director of External Affairs, Susan Yirku.
Special Projects and Safety Assistant, David McAllister, BA, University of Colorado.
Provost and Executive Vice-President for Academic Affairs, David R. Odiorne, MS, University of Maine; DC, Palmer College of Chiropractic.
Executive Assistant, Kimberly K. Eshelman, BA, Washington State University.
CCM/ND Academic Assistant, Patricia Downing, BA, University of Minnesota.
Director of Project Management and Accreditation, Laurie McGrath.

Office of Institutional Research and Assessment

Executive Director of Institutional Research and Assessment, Andrea Smith, MA, University of Missouri Kansas City.
Planning and Assessment Coordinator, Melissa Messina, BA, Cornell College.

Business Office

Vice-President for Finance and Administration, Gerald Bores, MBA, University of Portland.
Controller, vacant.
Human Resources, Steve Johnson, BS, Portland State University.
Student Accounts Transactions, Sally Barrett.

Organization and Governance, cont.

Department of Admissions

Director of Admissions, vacant.

Admissions Counselor, LeAnna Covalt.

Admissions Counselor, Brenda Lashbrook, MA, Marylhurst University.

Admissions Coordinator, Kendra Lapp, BA, Prescott College.

Department of Advancement and Public Relations

Director of Advancement and Public Relations, Susan Hunter, MA, Portland State University.

Marketing Coordinator, Sarah Spring, BA, University of Oregon.

Executive Assistant for Advancement, Joey Kerns, BGS, University of Kansas.

Campus Receptionist, Robert Seamans, BA, Portland State University.

Academic Affairs

Department of Naturopathic Medicine

Dean of Naturopathic Medicine, Rita Bettenburg, ND, National College of Naturopathic Medicine.

Associate Dean for Academic Affairs, Dohn Kruschwitz, MD, University of Iowa College of Medicine; ND, National College of Naturopathic Medicine.

Assistant to the Dean of Naturopathic Medicine, Kathleen Howlett, MS, Portland State University.

Department of Classical Chinese Medicine

Dean of Classical Chinese Medicine, Laurie Regan, PhD, Harvard University; ND, National College of Naturopathic Medicine.

Associate Dean for Academic Affairs, Heiner Fruehauf, MA, PhD, University of Chicago.

Chief of Staff, Rihui Long, Master of Medicine.

Clinical Education

Dean of Clinics, Tamara Staudt, ND, MSOM, National College of Naturopathic Medicine.

Helgott Research Institute

Director of Research, Heather Zwickley, PhD, University of Colorado Health Sciences Center.

Office Manager, Kevin Marsman, MA, Naropa Institute.

Library

Library Director, Rick Severson, MLS, PhD, University of Iowa.

Associate Librarian, Noelle Harling, MSLIS, University of Illinois of Urbana-Champaign.

Circulation Coordinator, Lynn Attwood, BS, Eastern Oregon University.

AV and Instructional Technology Coordinator, Steve Dehner, BA, Pacific University.

Student Affairs

Dean of Student and Alumni Affairs, Andrew McPheeters, MA, Gonzaga University.

Director of Student Affairs, Cheryl Miller, BA, Linfield College.

Student Services Coordinator, vacant.

Director of Retail Operations, Kathryn A. Williams, MA, Portland State University.

Bookstore Assistant, Tania Wisotsky, BA, Marylhurst University.

Assistant Director of Professional Development, Lindsay Sauve, BA, University of Oregon.

Director of Financial Aid, Laurie Radford.

Financial Aid Counselor, Carissa Vaccaro, BA, California State University.

Registrar, Kelly Garey, BS, Linfield College.

Assistant Registrar, Francine Green.

NCNM Faculty

Department of Naturopathic Medicine

Full Time Faculty

Richard Barrett, Professor; ND, National College of Naturopathic Medicine, 1986.

Rita Bettenburg, Professor; ND, National College of Naturopathic Medicine, 1989.

John Brons, Professor; PhD, UCLA, 1978; MAcOM, Oregon College of Oriental Medicine, 1993.

Gregory Garcia, Assistant Professor; ND, National College of Naturopathic Medicine, 1988; MAcOM, Oregon College of Oriental Medicine, 2000.

William J. Keppler, Professor; PhD, University of Illinois of Urbana-Champaign, 1965.

Dohn Kruschwitz, Associate Professor; MD, University of Iowa College of Medicine, 1966; ND, National College of Naturopathic Medicine, 1997.

Andrew McPheeters, Assistant Professor; MA, Gonzaga University, 1990.

Marcus N. Miller, Assistant Professor; MD, Louisiana State University Medical School, 1982; ND, National College of Naturopathic Medicine, 2001.

David R. Odiorne, Professor; MS, University of Maine, 1976; DC, Palmer College of Chiropractic, 1981.

Judy Peabody, Associate Professor; ND, National College of Naturopathic Medicine, 1988.

Michelle Salob, Assistant Professor; ND, National College of Naturopathic Medicine, 2001.

Steven Sandberg-Lewis, Professor; ND, National College of Naturopathic Medicine, 1978.

Nancy A. Scarlett, Assistant Professor; ND, National College of Naturopathic Medicine, 1997.

Richard J. Severson, Associate Professor; PhD, MLS, University of Iowa, 1990, 1992.

Will Taylor, Associate Professor; MD, University of Vermont College of Medicine, 1983.

Dickson Thom, Professor; DDS, University of Toronto, 1974; ND, National College of Naturopathic Medicine, 1989.

Robert Wilson, Assistant Professor; MS, Michigan Technological University, 1972; ND, National College of Naturopathic Medicine, 1993.

Kimberly Windstar-Hamlin, Associate Professor; MEd, California State College, 1982; ND, National College of Naturopathic Medicine, 1991.

Adjunct Faculty

Joel Agresta, Adjunct Professor; DC, Western States Chiropractic College, 1983.

Satya Ambrose, ND, National College of Naturopathic Medicine, 1989.

Sharleen Andrews-Miller

Amy Bader, ND, National College of Naturopathic Medicine, 2000.

Audrey Bergsma, ND, National College of Naturopathic Medicine, 1996.

Alicia Bigelow, ND, National College of Naturopathic Medicine, 2004.

Eric Blake, ND, National College of Naturopathic Medicine, 2004.

Jennifer Brusewitz, ND, National College of Naturopathic Medicine, 2000.

Wayne Centrone, ND, National College of Naturopathic Medicine, 2000; MPH, Portland State University, 2004.

Elizabeth Collins, ND, National College of Naturopathic Medicine, 1996.

Bracey Dangerfield, PhD, Maharishi International University, 1992.

Daniel DeLapp, Associate Professor; DC, Los Angeles College of Chiropractic, 1986; MAcOM, Oregon College of Oriental Medicine, 1996; ND, National College of Naturopathic Medicine, 1997.

Lisa A. Dickinson, ND, National College of Naturopathic Medicine, 2003.

Bruce Dickson, ND, National College of Naturopathic Medicine, 1979.

NCNM Faculty, cont.

Robert Ellis, PhD, University of Health Sciences/Chicago Medical School, 1983; DO, Chicago College of Osteopathic Medicine, 1987.

Durr Elmore, DC, Western States Chiropractic College, 1982; ND, MSOM, National College of Naturopathic Medicine, 1984, 2003.

Karen Frangos, ND, National College of Naturopathic Medicine, 1997.

Steve Gardner, DC, Western States Chiropractic College, 1977; ND, National College of Naturopathic Medicine, 1994.

James M. Gerber, Associate Professor; DC, Western States Chiropractic College, 1981; MS, University of Bridgeport, 1987.

Jennifer Gibbons, ND, National College of Naturopathic Medicine, 1998.

Ken Goldberg, MD, Wayne State University School of Medicine, 1988.

Mary Grabowska, ND, National College of Naturopathic Medicine, 1993; MAcOM, Oregon College of Oriental Medicine, 1994.

Kim Hapke, ND, National College of Naturopathic Medicine, 2003.

Victoria Hudson, Professor; ND, National College of Naturopathic Medicine, 1984.

Pamela Jeanne, ND, National College of Naturopathic Medicine, 1990.

Keivan Jinnah, ND, MSOM, National College of Naturopathic Medicine, 1998.

Paul Kalnins, ND, MSOM, National College of Naturopathic Medicine, 1998.

Mark Kaminski, Professor; MS, Northwestern University, 1979.

Adeline Kell, ND, National College of Naturopathic Medicine, 2003.

Rosetta Koach, ND, National College of Naturopathic Medicine, 1999.

Leslie Korn, PhD, The Union Institute, 1996.

Marnie Loomis, ND, National College of Naturopathic Medicine, 2000.

Russell Marz, ND, National College of Naturopathic Medicine, 1979; MAcOM, Oregon College of Oriental Medicine, 1994.

Susan Gaia Mather, ND, National College of Naturopathic Medicine, 1990.

Don McBride, ND, National College of Naturopathic Medicine, 2000.

Martin Milner, MA, University of Rhode Island, 1975; ND, National College of Naturopathic Medicine, 1983.

Glen Nagel, ND, National College of Naturopathic Medicine, 1993.

Virginia G. Osborne, ND, National College of Naturopathic Medicine, 1995.

Heidi Peterson, ND, National College of Naturopathic Medicine, 1999.

Ariel Policano, ND, National College of Naturopathic Medicine, 2002.

Susan M. Roberts, ND, National College of Naturopathic Medicine, 1989.

Ingrid Rose, PhD, University of Western Sydney, 2001.

Phyllecia Rommel

Suzanne Scopes, ND, National College of Naturopathic Medicine, 1985.

Daniel Sims, ND, National College of Naturopathic Medicine, 2000.

Jill Stansbury, ND, National College of Naturopathic Medicine, 1988.

Timothy Stecher, DC, Western States Chiropractic College, 2001.

Tish Stoebner, ND, National College of Naturopathic Medicine, 2001.

Eric Stroud, DC, Western States Chiropractic College, 1995.

Jennifer Tufenkian, ND, National College of Naturopathic Medicine, 2000.

Kenneth Weizer, ND, National College of Naturopathic Medicine, 1999.

Kate Wiggin, ND, National College of Naturopathic Medicine, 2004.

Katherine Zieman, ND, National College of Naturopathic Medicine, 1993.

Department of Classical Chinese Medicine

Full Time Faculty

Xiaoli Chen, Assistant Professor; Master of Medicine, Doctor of Medicine (China), Chengdu University of TCM, 1987, 1994.

Jim Cleaver, Instructor.

Heiner Fruehauf, Professor; MA, PhD, University of Chicago, 1986, 1990.

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