

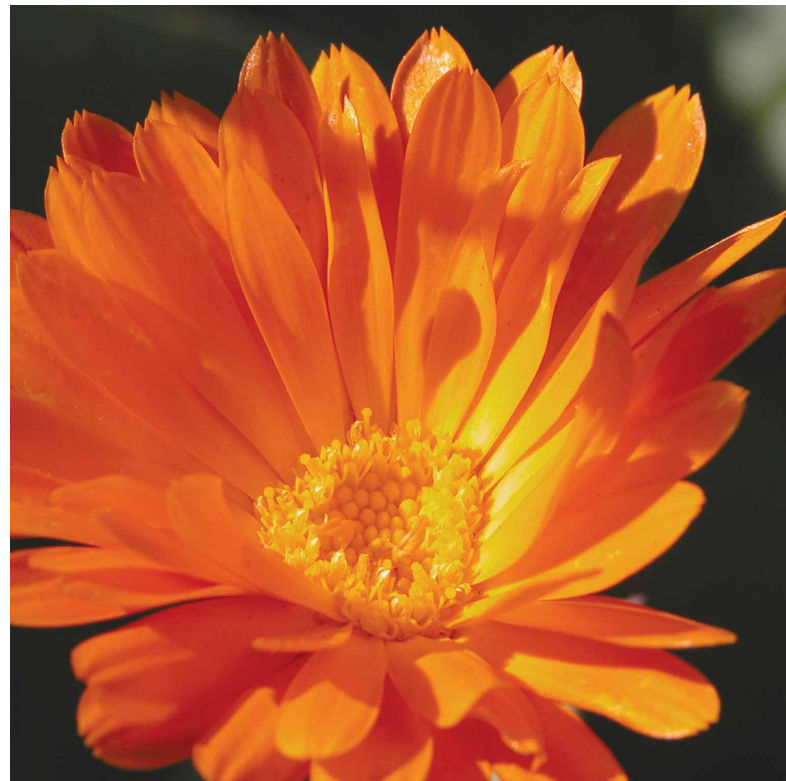


NCNM50

NATIONAL COLLEGE OF
NATUROPATHIC
M E D I C I N E

CELEBRATING FIFTY YEARS *of* NATURAL MEDICINE

2005-2006 Catalog



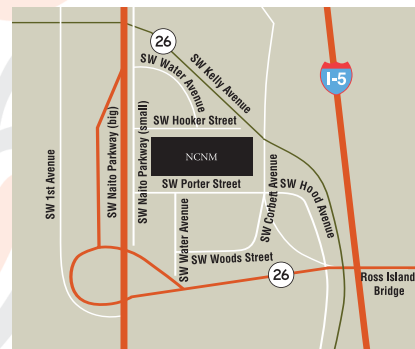
NCNM

National College of Naturopathic Medicine

2005-2006 Catalog

Ross Island Campus

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

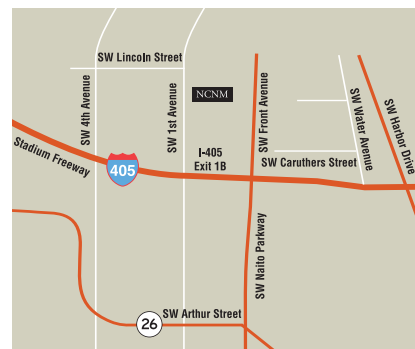


Equal Opportunity Statement

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.

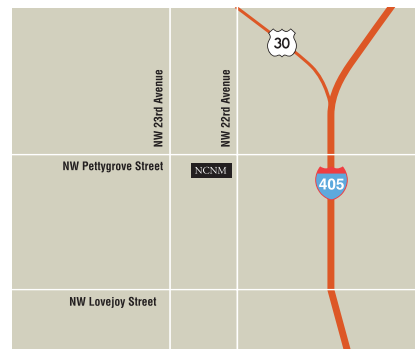
First Avenue Naturopathic Medicine Clinic

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 to improve the Institution 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 Naturopathic 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 for me to welcome and introduce you to the National College of Naturopathic Medicine (NCNM), the oldest school of naturopathic medicine in the nation. NCNM is located in the environmentally friendly city of Portland, Oregon in the majestic Pacific Northwest.

Next year NCNM will celebrate its Golden Anniversary (1956-2006). To add to our celebration, NCNM has earned full institutional accreditation from the Northwest Commission on Colleges and Universities. This implies the College has met or exceeded nine rigorous commission standards indicating programmatic excellence on a national scale.

We are proud of our graduates and welcome you to join us. Our Doctor of Naturopathic Medicine program is based on six principles of naturopathic medicine, one being to honor the healing power of nature. Expert faculty members teach our academic curriculum, providing the highest quality educational experience for our medical students. Furthermore, our ND program received high marks from the Council on Naturopathic Medical Education (CNME), the professional accrediting council and an extension of the United States Department of Education.

Our program in classical Chinese medicine awards the degree, Master of Science in Oriental Medicine. This outstanding program has met all of the requirements of the Accreditation Commission on Acupuncture and Oriental Medicine (ACAOM), the accrediting commission for the profession.

I encourage you find out more about NCNM and the special events planned for our Golden Anniversary. You too can be a part of this special fiftieth year for the College.

Respectfully,

William "Bill" J. Keppler, Ph.D.
President of NCNM
503-552-1702

Letter from the Provost

Dear Prospective Student,

You have been drawn to investigate National College of Naturopathic 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 is preparing to celebrate 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 Vice President for Academic Affairs
503-552-1703

Vision Statement

NCNM is an accredited, fully-funded institution with the highest quality programs, faculty, facilities and students.

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 323
Johnson, VT 05656
802-635-7090
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 College viewbook, the Student-for-a-Day Program, campus visits, and the Institution's 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 2005-2006

Summer Quarter Begins	6/26/05	Winter Quarter Begins	1/2/06
Commencement	6/27/05	Last Day to Add or Change Sections	1/13/06
July 4th Holiday Campus Closed	7/4/05	Last Day to Pay Tuition & Fees	1/13/06
Labor Day Holiday Campus Closed	9/5/05	Martin Luther King Campus Closed	1/16/06
Summer Quarter Ends	9/10/05	Late Payment Fee Assessed	1/16/06
ND 1 Orientation	8/31-9/2/2005	Last Day to Drop Classes	1/27/06
Fall Quarter Begins	9/12/05	Practical Exam / Make Up Week	3/13-17/2006
Last Day to Add or Change Sections	9/23/05	Finals Week	3/20-24/2006
Last Day to Pay Tuition & Fees	9/23/05	Winter Quarter Ends	3/25/06
Late Payment Fee Assessed	9/26/05	Spring Break	3/26-4/1/2006
Planning Day - Student, Staff, Faculty Attend	9/26/05	Clinic Holiday II	3/26 -4/1/2006
Last Day to Drop Classes	10/7/05	Spring Quarter Begins	4/3/06
Veterans Day Campus Closed	11/11/05	Commencement	6/26/06
Employee Training Days	11/21-22/2005	Last Day to Add or Change Sections	4/14/06
Thanksgiving Break No Classes	11/21 - 25/2005	Last Day to Pay Tuition & Fees	4/16/06
Thanksgiving Holiday Campus Closed	11/24-25/2005	Late Payment Fee Assessed	4/17/06
Practical Exam / Make Up Week	11/28 - 12/2/2005	Last Day to Drop Classes	4/28/06
Finals Week	12/4 - 12/9/2005	Memorial Day Campus Closed	5/29/06
Fall Quarter Ends	12/16/05	Practical Exam / Make Up Week	6/12-16/2006
Winter Break No Classes	12/11/2005-12/31/2005	Finals Week	6/19-23/2006
Clinic Holiday I	12/18-22/2005	Spring Quarter Ends	6/24/06
Campus Closed Winter Holiday	12/3-12/31/2005	Tentative:	
12/23 & 26 Christmas Holiday Days,		Summer Quarter Begins	6/26/06
12/27,28,29 Employee Appreciation Days,		July 4th Holiday Campus Closed	7/4/06
12/30 New Years Holiday		Labor Day Holiday Campus Closed	9/4/06
		Summer Quarter Ends	9/9/06





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), and Linfield College, Portland campus. 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, and an audio-visual collection that includes tapes of lectures and presentations by well-known guest speakers. Reference books, rare 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

The bookstore strives to support the NCNM community with relevant books, merchandise and service. Along with providing course required and recommended texts and supplies, we maintain a unique selection of rare, unusual, and hard-to-find alternative medical books. Rounding out our offerings, we carry school supplies, medical equipment, natural remedies, healthy snacks and beverages, logo merchandise, and sundries. The bookstore is also committed to promoting and selling the wares of our creative student body: music, art, and natural products. For inquiries contact the Director of Academic Services. Bookstore

hours are 9:00 a.m. to 4:00 p.m., Monday through Friday.

Department of Advancement and Public Relations

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

Scientific Research at NCNM

Naturopathic and Oriental medical research is vital to the successful resolution of the current healthcare crisis. NCNM is committed to fully integrating research with existing academic and clinical activities. NCNM faculty members are currently participating in NCCAM grants from the National Institutes of Health in collaboration with Oregon Health and Science University and Kaiser Permanente.

While not all physicians wish to become researchers, our goal is to train all graduating physicians in the critical analysis of research studies that they may accurately evaluate the quality of studies published in peer-reviewed journals. In addition, practice in case analysis enables graduates to clearly investigate therapeutic results in their practices and share these results via publication in peer-reviewed journals. For those with an

interest in research, there are many opportunities to participate in studies.

Helfgott Research Institute

The mission of the Helfgott Research Institute is to conduct rigorous, high quality, research in the public domain on the art and science of healing. Together scientists from the fields of naturopathy, Chinese medicine, acupuncture, immunology and nutrition apply their expertise to the study of natural medicine.

Established in June 2003, the Helfgott Research Institute (The Helfgott) has a state-of-the-art basic science laboratory, as well as the resources to foster clinical

research focused on Chinese medicine, naturopathic medicine, and energy medicine. The Helfgott has recruited several leading investigators to head research projects and provide mentorship for NCNM faculty, students and residents who wish to conduct clinical studies. The Helfgott is well positioned to study natural therapies as our faculty specializes in these modalities. Current research projects include collaborations with Oregon Health and Science University (OHSU) and Kaiser Permanente Center for Health Research, as well as collaborations with other naturopathic schools. 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, inter-

nationally 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 thirty-seven inches a year—other large cities, such as Atlanta, get more rainfall. Summer temperatures average in the mid-seventies 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 twenty-five days and features more than seventy 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 (Oregon's largest multicultural event), and the Oregon Brewers Festival where seventy-two 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 seventy art galleries and ten 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 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 fifty percent 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.

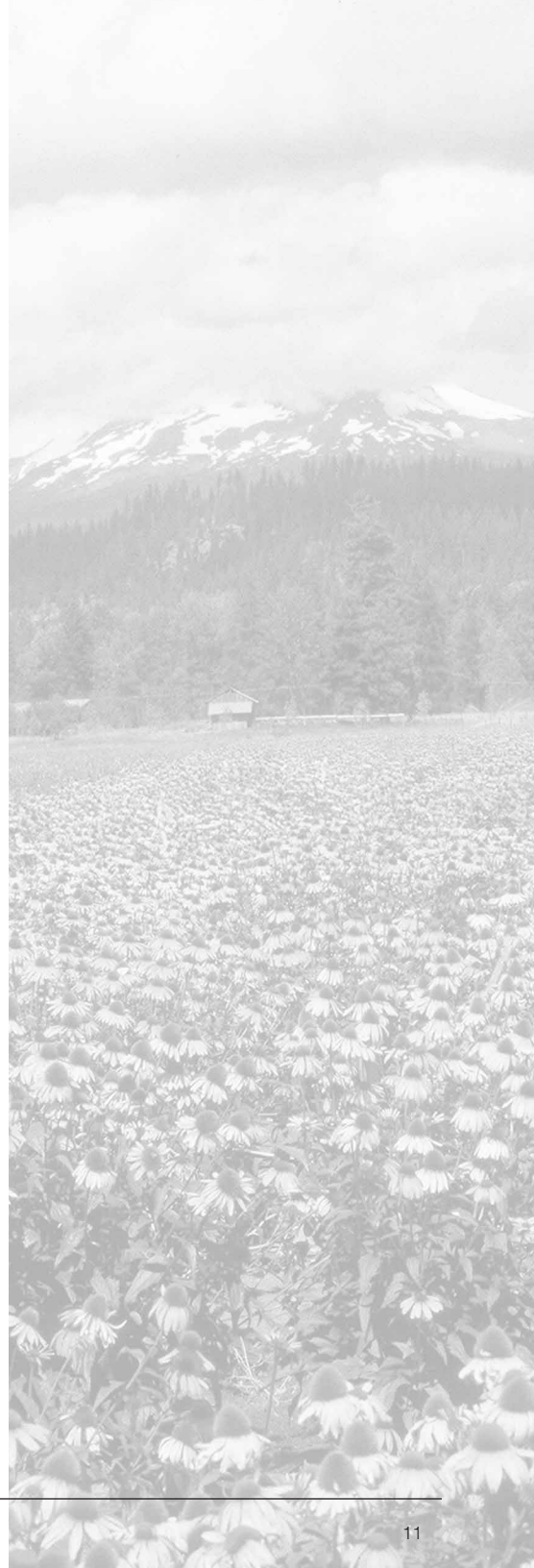
Note: If in doubt about a specific prerequisite, contact the Office of Admissions before taking the course.

Overall Preparation

No specific major is advised. 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 Mathematics	1 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 Science2 courses
At least one course must be in human
psychology.

Humanities2 courses
At least one course must be English
composition.

Strongly Recommended Courses

- Biochemistry or 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 Chemistry1 course

General Biology1 course

Social Science and Humanities...2 courses
Selected from the disciplines of art,
music, literature, philosophy and
psychology

Physics
(see graduation requirements)..1 course

Strongly Recommended Courses

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

Age of Course

Prerequisite courses not taken within
seven years of 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 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 are available on NCNM's web site and 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 October 28, 2005
Priority Decision January 23, 2006

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

MSOM Program

Applications are available on NCNM's web site and 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.

Priority Decision February 13, 2006

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
Naturopathic 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 will 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 Naturopathic 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 Naturopathic 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 the 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 Dean of Student Affairs to discuss his or her specific circumstances. The Dean 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 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 non-U.S. accredited transcripts 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, winter or spring 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 can only 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 Naturopathic 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 the 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 these 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 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 2005-2006

Tuition

All new students entering in fall 2005 will be charged at the per-credit rate of \$260. All amounts are in U.S. currency. Note that credit cards are now accepted for tuition or fee payment (see credit card fee below).

ND Program

ND per credit (includes electives)	\$260 per credit	
Four-year full-time (continuing student track rate)	\$18,787 per year	\$6,262 per quarter
Five-year full-time (continuing student track rate)	\$15,318 per year	\$5,106 per quarter
ND 2005 summer tuition (continuing student track rate)	\$1,488 (1 summer required)	
ND 2006 summer tuition (continuing student track rate)	\$1,562 (1 summer required)	

Note: ND track tuition includes 15 elective credits. Electives taken exceeding 15 credits are \$260 per credit.

MSOM Program

Four-year full time (continuing student track rate)	\$15,265 per year	\$5,088 per quarter
MSOM three-year (continuing student track rate)	\$8,725 per year	\$2,909 per quarter
MSOM 2005 summer tuition (continuing student track rate)	\$1,488 (2 summers required)	
MSOM 2006 summer tuition (continuing student track rate)	\$1,562 (2 summers required)	
MSOM per credit (includes electives)		\$260 per credit

Dual Program

MSOM portion (continuing student track rate)	\$6,542 per year	\$2,181 per quarter
ND portion (continuing student track rate)	\$9,394 per year	\$3,131 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 (Per subsequent change after one free change)	\$500
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)	\$30 per year
Credit card fee	2.60% of total charge
Grade change fee	\$10 each
Graduation fee	\$100 (spring quarter billing)

Independent study fee	\$260 per credit
IV Therapy lab fee (refund only in first week)	\$50
Late payment fee (per quarter)	\$50
Minor Surgery lab fee	\$50 (refund only in first week)
Nature Cure lab fee	\$30 (refund only in first week)
ND graduate proficiency assessment exam (GPA 3)	\$45 (spring quarter billing)
Orientation fee (all new students)	\$30 (one time)
Parking fee	\$82.50 per quarter
Remediation (make-up) exam fee	\$50 each
ND GPA 1, 2 remediation exam fee	\$75
ND GPA 3 remediation exam fee	\$150
Retreat fee	\$185 per retreat
(Non-refundable two weeks prior to retreat)	
Returned check fee	\$25
Student activity fee	\$30 per year
Transcript fee	\$10 per request
Tuition deferment fee (per deferral)	\$20
Tuition deposit (non-refundable, one-time, applied to first quarter)	\$200



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 will automatically 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 is a \$2,000 deferral limit per quarter and 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 tuition and fees are 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

nineteen credits. The MSOM program requires attendance of two summer quarters of 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 is to take 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 is 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 2005-2006 academic year are estimated as follows:

Description	ND Amounts	MSOM Amounts
Tuition	\$ 18,787	\$ 15,265
Books and supplies	\$ 1,500	\$ 1,500
Living expenses	\$ 11,925	\$ 11,925
Loan fees (if applicable)	\$ 740	\$ 740
TOTAL ESTIMATED COSTS	\$ 32,952	\$ 29,430

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% of tuition
Second week	90% of tuition
Third week	80% of tuition
Fourth week	70% of tuition
Fifth week	60% of tuition
Sixth week	50% of 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 5 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). 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 being 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 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 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 at financial-aid@ncnm.edu.

"NCNM Advantage" Program

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

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

population and, at the same time, earn an investment return as a result of providing such assistance to its students. 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 utilized for need-based grant programs. (See Scholarship section for more information.)

Loans

Loans comprise the majority of financial aid at NCNM. Approximately ninety percent of students attending the College find it necessary to borrow some funding while completing their program. However students should keep in mind that these loans are not designed to meet the total student budget to attend programs at NCNM and that 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. 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 Institution.

Alternative Loan Program

This program is available to students to help offset the cost of their education. It is an alternative to federal loan programs to fill the gap between any other forms of financial aid the student may receive and additional money needed for school. Students should keep in mind that the interest on these loans continues to accrue while enrolled in school and that the interest rates are generally higher than in the federal loan programs.

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, that refund 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 sixty percent of an academic quarter. Recalculation is done from the actual date the student begins the Institution's withdrawal process. For students who leave without notifying the Institution, 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. For graduate-level students attending NCNM the 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/his tuition charge, the Financial Aid Office will recalculate the student's Cost of Attendance Budget to see if her/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 twenty 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.

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, 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. In order to be assured of full consideration 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 merit-based scholarships. These scholarships are awarded to current students in the MSOM and ND programs. All current full-time students in good academic standing may apply. 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.

Helio Scholarship

Helio Medical Supplies Inc. will award a \$1,000 scholarship annually to a NCNM student who is enrolled in the MSOM Degree Program. The Classical Chinese Medicine Curriculum Committee has determined that this scholarship will be awarded to the MSOM student (selected by NCNM) who has consistently exhibited:

- Sound academic standing
- Exceptional patient care with integration of CCM principles
- Contributions to furthering CCM program and community development

(In the event of a tie, the CCM Curriculum Committee will divide the scholarship equally among its chosen recipients)



Doctor of Naturopathic Medicine

Naturopathic Medicine

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 one hundred 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 twenty naturopathic medical colleges, and NDs were licensed in a majority of states. Naturopathic medicine experienced a decline in the 1940s and '50s 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, NCNM was founded to keep the medicine alive. The drop-off in popularity was so steep that during its first twenty years, NCNM graduated only seventy 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/his health and healing process, but doctors also want a medical model that is more patient-centered and holistic.

NCNM is alma mater to more than 1,400 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/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/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

fifty years. Currently, fourteen 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.

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 and Canadian provinces licensing NDs, at publication, are Alaska, Arizona, British Columbia, California, Connecticut, Hawaii, Idaho, Kansas, Maine, Manitoba, Montana, New Hampshire, Ontario, Oregon, Saskatchewan, Utah, Vermont, 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 child-birth 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 (NPLEX) 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 (which emphasize 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 dissection 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. NCMN's medicinary stocks 150 different herbal tinctures and 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

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 for 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-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.

Naturopathic Clinical Education

**CLE 430, CLE 520/530, CLE 710/
711/712/713/714/715, CLE 812/813/
814/815/816/817/818/819/820/821/82
2/824/825, CLE 972, CLE718**

(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 during the summer after the first year. The first year of clinical experience is chiefly technical – performing various hydrotherapy treatments. 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 a required summer clinic shift. (See summer quarter tuition.)

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 medicinal, 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). 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.

CLE 846 ND Preceptorship Program

(11 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, 264 hours of clinical field observation are required. A minimum of 145 hours are completed with a naturopathic physician, and the remaining 119 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, 417/427/437

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 Nutrition I and II's content and application 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 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 417/427/419/429/439/437; concurrent enrollment in CLS 510/520/530, CLS 512/522/532

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 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 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: BAS 414, 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 640E Natural Pharmacology (2 lecture credits)

This course offers an in-depth look at evidence-based therapeutic interventions, ranging from diet and nutrition to botanical therapies. Students will be exposed to the latest scientific evidence in the field of natural medicine and will learn how to adjust individual patient biochemistry in order to regain and sustain optimal wellness through maintenance of a physiologically balanced homeostasis.

Prerequisites: third-year status

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, 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 your thesis. You will be expected to progressively complete each phase of thesis development, research, and writing.

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 ten 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. 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 Doctor/Patient Communication I

(1 lecture credit with .75 lab credit)

In this course, students will begin developing specific counseling skills for interviewing and listening to their future patients. Areas addressed include concerns unique to specific patient populations such as adolescents, along with learning how to support patients in making healthy lifestyle changes. Significant time is given for discussion and small group work.

PSY 530 Stress Management

(1 lecture credit)

This is a didactic and experiential course exposing students to the psychological and biological affects of stress on the individual. The course will allow students to identify methods of stress reduction for use in clinical practice as well as for personal use while going through medical school.

PSY 610 Doctor/Patient Communication II

(1 lecture credit with .5 lab credit)

Material presented in this course is designed to strengthen students' skill and confidence in facing the challenges of primary care practice. By exposing students to actual patients in class, as well as through videotaping exercises with actors, they gain confidence in working with patients. Particular emphasis includes patients suffering from depression, suicidal thoughts, life-threatening disease, and addiction.

Prerequisites: third-year status

PSY 720 Counseling Techniques

(2.5 lecture credits)

This course is designed to introduce students to a range of counseling methods and techniques with an emphasis on the special needs of the holistic medical practice. Skill building will focus on strengthening a personal style of interviewing, identifying a clinical mental health orientation, conducting a comprehensive clinical interview with a mental health emphasis, and integrating counseling techniques with holistic approaches.

Prerequisites: PSY 420

PSY 722 Psychological Assessment

(2.5 lecture credits)

This course covers topics in mental health and psychiatric medicine,

including some of the more common diagnostic features in psychopathologic disorders. Emphasis is placed on recognizing and providing treatment for mental health states commonly found in naturopathic medical practices.

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.

As naturopathic physicians, we honor the body's wisdom. As midwives, we honor birth as a natural process. With our dual training as naturopathic physicians and midwives, we 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 twelve weeks of age. Lectures include a review of fetal development from thirty-four 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

NCB 801-808 Natural Childbirth Preceptor I –VIII

(16 clinic credits)

Preceptors for students accepted into the obstetrics/midwifery certificate program. Note that additional credits are needed to meet Washington State requirements.

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

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

Prerequisites: PHM 512/522

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: none

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 neuromusculoskeletal injury and dysfunction and on the physio-

logic 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 630 Exercise Therapeutics

(2 lecture credits)

Students learn the principles of using exercise as a preventive and therapeutic tool. Students 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 credits 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 can become licensed and practice once they pass NPLEX board exams and complete state licensure requirements. However, there are increasing opportunities for 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. In addition to earning a Doctorate of Naturopathic Medicine from an accredited institution, 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 the 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 2006-2007 Academic Year

November 21, 2005	2005-2006 residency applications available
November 28, 2005	Residency selection committee begins accepting applications
January 20, 2006	Applications due by 5:00 pm
January 23, 2006	Residency selection committee begins review of applications
February 3, 2006	NCNM provides written notification confirming eligibility and instructions for interview processes at all participating sites
February 13, 2006	Scheduling of interviews begins
March 31, 2006	Deadline for completion of interviews
April 14, 2006	Initial offer letters sent to selected candidates
April 28, 2006	Deadline for candidates to submit signed Statement of Intent





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 Anatomy & Physiology I			72	72	6.00
BAS411	Anatomy Lab I		24		24	1.00
BAS417	Cellular Systems with 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 Medical History & Philosophy & Therapeutics			24	24	2.00
PHM416	Palpation I Lab		24		24	1.00
BAS434	Research and Statistics			24	24	2.00
	First Year Fall Totals	0	108	228	336	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 Anatomy & Physiology 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
NPH411*	Naturopathic Retreat			18	18	1.50
PSY530	Stress Management			12	12	1.00
PHM426	Palpation II Lab		24		24	1.00
PSY420	Doctor/Patient Communication I with Lab		18	12	30	1.75
	First Year Winter Totals	0	102	210	312	21.75
Course#	FIRST YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
BAS432	Organ Systems Anatomy & Physiology 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			12	0.50
BAS441	Microbiology & Public Health II			36	36	3.00
PHM412	Hydrotherapy with Lab		24	12	36	2.00
NPH510	Intro Chinese Medicine			36	36	3.00
	First Year Spring Totals	12	72	240	324	23.50
	FIRST YEAR CREDIT TOTALS	12	282	678	972	68.75

* May be taken Fall/Winter/Spring

ND Four Year Curriculum

third year

Course#		Clinic	Lab	Lecture	Hours	Credits
BOT610	THIRD YEAR FALL Botanical Materia Medica III			36	36	3.00
CLS614	Diagnostic Imaging I			24	24	2.00
HOM610	Homeopathy III			36	36	3.00
PHM530	Naturopathic Manipulative Therapeutics II			12	12	1.00
PHM530L	Naturopathic Manipulative Therapeutics II Lab		24		24	1.00
NOS613	Gynecology			36	36	3.00
NUT611	Nutrition II			36	36	3.00
NCB610	Natural Childbirth I			36	36	3.00
CLE710	Clinic Secondary Shift # 1	48			48	2.00
CLE711	Clinic Secondary Shift # 2	48			48	2.00
CLE972A	Clinic Grand Rounds/Clinic Ed	24			24	1.00
CLE717	Clinic Medicinary Practicum	24			24	1.00
CLE716F	Clinic Lab Practicum	12			12	0.50
PHM511	Physiotherapy I with Lab		24		24	1.00
	Third Year Fall Totals	156	48	216	420	26.50
Course#	THIRD YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
CLS624	Diagnostic Imaging II			36	36	3.00
PSY610	Doctor Patient Comm II with Lab		12	12	24	1.50
HOM620	Homeopathy IV			36	36	3.00
PHM521	Physiotherapy II with Lab		24		24	1.00
NUT622	Nutrition III			36	36	3.00
PHM621	Minor Surgery I with Lab		12	24	36	2.50
PHM610	Naturopathic Manipulative Therapeutics III			12	12	1.00
PHM610L	Naturopathic Manipulative Therapeutics III Lab		24		24	1.00
NOS732	Gastroenterolgy			24	24	2.00
CLE712	Clinic Secondary Shift #3	48			48	2.00
CLE713	Clinic Secondary Shift #4	48			48	2.00
CLE972B	Clinic Grand Rounds/Clinic Ed	24			24	1.00
CLE716W	Clinic Lab Practicum	12			12	0.50
NPH733	Business Practice Seminar I			24	24	2.00
	Third Year Winter Totals	132	72	204	408	25.50
Course#	THIRD YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CLS634	Diagnostic Imaging III			24	24	2.00
NOS630	Cardiology			36	36	3.00
NOS632	Pediatrics			36	36	3.00
NUT633	Nutrition IV			36	36	3.00
PHM631	Minor Surgery II with lab		12	24	36	2.50
CLS632	First Aid & Emergency Medicine			24	24	2.00
NOS615	Gynecology Lab***		24		24	1.00
NPH610	Naturopathic Medical Philosophy Tutorial ***			18	18	1.50
PHM640	Naturopathic Manipulative Therapeutics IV			12	12	1.00
PHM640L	Naturopathic Manipulative Therapeutics IV Lab		24		24	1.00
CLE714	Clinic Secondary Shift #5	48			48	2.00
CLE715	Clinic Secondary Shift #6	48			48	2.00
CLE972E	Clinic Grand Rounds/Clinic Ed	24			24	1.00
CLE716S	Clinic Lab Practicum	12			12	0.50
	Third Year Spring Totals	132	60	210	402	25.500
	THIRD YEAR TOTALS	420	180	630	1230	77.50

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

ND Four Year Curriculum

fourth year

Course#		Clinic	Lab	Lecture	Hours	Credits
FOURTH YEAR SUMMER						
CLE718	Clinic X-Ray Practicum	24			24	1.00
CLE810	Clinic Senior Lab Post	12			12	0.50
CLE824	Clinic Primary Shift #1	48			48	2.00
CLE825	Clinic Primary Shift #2	48			48	2.00
CLE822	Clinic Primary Shift #3	48			48	2.00
CLE840	Clinic Field Observation 1*	48			48	2.00
CLE841	Clinic Field Observation 2*	48			48	2.00
CLE842	Clinic Field Observation 3*	48			48	2.00
CLE843	Clinic Field Observation 4*	48			48	2.00
CLE844	Clinic Field Observation 5*	48			48	2.00
CLE845	Clinic Field Observation 6*	24			24	1.00
CLE930	Community Service*	24			24	1.00
Fourth Year Summer Totals		468	0	0	468	19.50
FOURTH YEAR FALL						
NOS710	Eye, Ears, Nose & Throat**			24	24	2.00
CLS631	Environmental Medicine			24	24	2.00
NOS711	Dermatology			24	24	2.00
PSY722	Psychological Assessment			30	30	2.50
NOS714	Geriatrics			12	12	1.00
PHM630	Exercise Therapeutics			24	24	2.00
PHM650L	Naturopathic Manipulative Therapeutics V Lab		24		24	1.00
CLE812	Clinic Primary Shift #4	48			48	2.00
CLE813	Clinic Primary Shift #5	48			48	2.00
CLE814	Clinic Primary Shift #6	48			48	2.00
CLE972D	Clinic Grand Rounds/Clinic Ed	24			24	1.00
Fourth Year Fall Totals		168	24	138	330	19.500
FOURTH YEAR WINTER						
NOS720	Neurology			24	24	2.00
NOS721	Urology			24	24	2.00
NOS723	Proctology			12	12	1.00
NOS712	Endocrinology			24	24	2.00
PSY720	Counseling Techniques			30	30	2.50
CLS999	Thesis			12	12	1.00
CLE815	Clinic Primary Shift #7	48			48	2.00
CLE816	Clinic Primary Shift #8	48			48	2.00
CLE817	Clinic Primary Shift #9	48			48	2.00
CLE942	Clinic Education	12			12	0.50
CLE972E	Clinic Grand Rounds	12			12	0.50
Fourth Year Winter Totals		168	0	126	294	17.500
FOURTH YEAR SPRING						
CLS621	Medical Genetics			24	24	2.00
NPH731	Jurisprudence			12	12	1.00
NPH733	Business Practice Seminar II			24	24	2.00
NOS725	Oncology			24	24	2.00
CLE818	Clinic Primary Shift #10	48			48	2.00
CLE819	Clinic Primary Shift #11	48			48	2.00
CLE820	Clinic Primary Shift #12	48			48	2.00
CLE821	Clinic Primary Shift #13*	48			48	2.00
CLE972F	Clinic Grand Rounds/Clinic Ed	24			24	1.00
Fourth Year Spring Totals		216	0	84	300	16.00
FOURTH YEAR TOTALS		1020	24	348	1392	72.50

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

** These classes also offered summer quarter.

ND Five Year Curriculum

first year

Course#	FIRST YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
BAS410	Musculoskeletal Anatomy I			24	24	2.00
BAS412	Organ Systems Anatomy & Physiology I			72	72	6.00
BAS411	Anatomy Lab I		24		24	1.00
NPH531	Ethics			12	12	1.00
BAS414	Medical Histology with Lab		24	36	60	4.00
BAS418	Basic Science Clinical Correlate I		24		24	1.00
NPH410	Naturopathic Medical History, Philosophy & Therapeutics			24	24	2.00
PHM416	Palpation I Lab		24		24	1.00
BAS434	Research & Statistics			24	24	2.00
	First Year Fall Totals		96	192	288	20.00

Course#	FIRST YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
BAS420	Musculoskeletal Anatomy II			24	24	2.00
BAS422	Organ Systems Anatomy & Physiology 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	Stress Management			12	12	1.00
PHM426	Palpation II Lab		24		24	1.00
BAS440	Microbiology & Public Health I			36	36	3.00
PSY420	Skills of Communications			12	12	1.00
PSY420L	Skills of Communications Lab		18		18	0.75
	First Year Winter Totals		90	174	264	18.25

Course#	FIRST YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
BAS432	Organ Systems Anatomy & Physiology 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 with Lab		24	12	36	2.00
CLS512	Pathology I			36	36	3.00
CLE430	Introduction to Clinic	12			12	0.50
BAS441	Microbiology & Public Health II			36	36	3.00
	First Year Spring Totals	12	60	204	276	20.00
	FIRST YEAR CREDIT TOTALS	12	246	570	828	58.25

* May be taken Fall/Winter/Spring

ND Five Year Curriculum

third year

Course#		Clinic	Lab	Lecture	Hours	Credits
BOT610	THIRD YEAR FALL Botanical Materia Medica III			36	36	3.00
PHM530	Naturopathic Manipulative Therapeutics II			12	12	1.00
PHM530L	Naturopathic Manipulative Therapeutics II Lab		24		24	1.00
NUT611	Nutrition II			36	36	3.00
CLE972A	Clinic Grand Rounds	24			24	1.00
CLE716F	Clinic Lab Practicum	12			12	0.50
CLS516	Pharmacology I			36	36	3.00
HOM510	Intro Homeopathy			24	24	2.00
PHM511	Physiotherapy I with Lab		24		24	1.00
CLE710	Clinic Secondary Shift # 1	48			48	2.00
CLE711	Clinic Secondary Shift # 2	48			48	2.00
	Third Year Fall Totals	132	48	144	324	19.50
Course#	THIRD YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
PSY610	Doctor Patient Comm II with Lab		12	12	24	1.50
PHM521	Physiotherapy Lab II with Lab		24		24	1.00
NUT622	Nutrition III			36	36	3.00
PHM610	Naturopathic Manipulative Therapeutics III			12	12	1.00
PHM610L	Naturopathic Manipulative Therapeutics III Lab		24		24	1.00
CLS526	Pharmacology II			36	36	3.00
HOM520	Homeopathy I			24	24	2.00
CLE712	Clinic Secondary Shift #3	48			48	2.00
CLE713	Clinic Secondary Shift #4	48			48	2.00
CLE972B	Clinic Grand Rounds	24			24	1.00
CLE716W	Clinic Lab Practicum	12			12	0.50
	Third Year Winter Totals	132	60	120	312	18.00
Course#	THIRD YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
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 Therapeutics IV			12	12.00	1.00
PHM640L	Nat. Manipulative Therapeutics IV Lab		24		24.00	1.00
CLE717	Clinic Medicinary Practicum***	24			24.00	1.00
CLE714	Clinic Secondary Shift #5	48			48.00	2.00
CLE715	Clinic Secondary Shift #6	48			48.00	2.00
CLE972C	Clinic Grand Rounds	24			24.00	1.00
CLE716S	Clinic Lab Practicum	12			12.00	0.50
NPH610	Naturopathic Medical Philosophy Tutorial ***			18	18.00	1.50
	Third Year Spring Totals	156	24	96	276	17.00
	THIRD YEAR TOTALS	420	132	360	912	54.50

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

ND Five Year Curriculum

fourth year

Course#		Clinic	Lab	Lecture	Hours	Credits
CLS614	FOURTH YEAR FALL Diagnostic Imaging I			24	24	2.00
HOM610	Homeopathy III			36	36	3.00
NCB610	Natural Childbirth I			36	36	3.00
PHM650L	Naturopathic Manipulative Therapeutics V Lab		24		24	1.00
NOS613	Gynecology			36	36	3.00
PSY720	Counseling Tech.			30	30	2.50
CLE824	Clinic Primary Shift #1	48			48	2.00
CLE972D	Clinic Grand Rounds	24			24	1.00
	Fourth Year Fall Totals	72	24	162	258	17.50
Course#	FOURTH YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
CLS624	Diagnostic Imaging II			36	36	3.00
HOM620	Homeopathy IV			36	36	3.00
PHM621	Minor Surgery I with Lab		12	24	36	2.50
NOS732	Gastroenterology			24	24	2.00
NPH733	Business Practice Seminar I			24	24	2.00
CLE825	Clinic Primary Shift #2	48			48	2.00
CLE972E	Clinic Grand Rounds	24			24	1.00
	Fourth Year Winter Totals	72	12	144	228	15.50
Course#	FOURTH YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CLS634	Diagnostic Imaging III			24	24	2.00
PHM631	Minor Surgery II with lab		12	24	36	2.50
NOS630	Cardiology			36	36	3.00
NOS615	Gynecology Lab***		24		24	1.00
NOS632	Pediatrics			36	36	3.00
CLE822	Clinic Primary Shift #3	48			48	2.00
CLE972F	Clinic Grand Rounds	24			24	1.00
	Fourth Year Spring Totals	72	36	120	228	14.50
	FOURTH YEAR TOTALS	216	72	426	714	47.50

***This course may be taken any quarter during the 4th year

ND Five Year Curriculum

fifth year

course#	FIFTH YEAR SUMMER	Clinic	Lab	Lecture	Hours	Credits
CLE814	Clinic Primary Shift #6	48			48	2.00
CLE718	Clinic X-Ray Practicum****	24			24	1.00
CLE810	Clinic Senior Lab Post	12			12	0.50
CLE812	Clinic Primary Shift #4	48			48	2.00
CLE813	Clinic Primary Shift #5	48			48	2.00
CLE840	Clinic Field Observation 1*	48			48	2.00
CLE841	Clinic Field Observation 2*	48			48	2.00
CLE842	Clinic Field Observation 3*	48			48	2.00
CLE843	Clinic Field Observation 4*	48			48	2.00
CLE844	Clinic Field Observation 5*	48			48	2.00
CLE845	Clinic Field Observation 6*	24			24	1.00
CLE930	Community Service*	24			24	1.00
	SUMMER TOTALS	468	0	0	468	19.50

**May be taken fall quarter

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

Course#	FIFTH YEAR FALL	Clinic	Lab	Lecture	Hours	Credits
NOS710	Eye, Ears, Nose & Throat**			24	24	2.00
NOS711	Dermatology			24	24	2.00
NOS714	Geriatrics			12	12	1.00
CLS631	Environmental Medicine			24	24	2.00
PHM630	Exercise Therapeutics			24	24	2.00
CLE816	Clinic Primary Shift # 8	48			48	2.00
CLE815	Clinic Primary Shift # 7	48			48	2.00
	Fifth Year Fall Totals	96	0	108	204	13.00

Course#	FIFTH YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
NOS720	Neurology			24	24	2.00
NOS721	Urology			24	24	2.00
NOS723	Proctology			12	12	1.00
NOS712	Endocrinology			24	24	2.00
PSY722	Psychological Assessment			30	30	2.50
CLS999	Thesis Phase III			12	12	1.00
CLE817	Clinic Primary Shift #9	48			48	2.00
CLE818	Clinic Primary Shift #10	48			48	2.00
	Fifth Year Winter Totals	96	0	126	222	14.50

Course#	FIFTH YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
NPH731J	Jurisprudence			12	12	1.00
NPH733	Business Practice Seminar II			24	24	2.00
NOS725	Oncology			24	24	2.00
CLS621	Medical Genetics			24	24	2.00
CLE819	Clinic Primary Shift #11	48			48	2.00
CLE820	Clinic Primary Shift #12	48			48	2.00
CLE821	Clinic Primary Shift #13*	48			48	2.00
	Fifth Year Sprint Totals	144	0	84	228	13.00

	FIFTH YEAR TOTALS	804	0	318	1122	60.00
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*These hours are cumulative and may actually be earned in a quarter other than quarter listed.



ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

first year

Course#		Clinic	Lab	Lecture	Hours	Credits
CCM418	Foundations of Classical Chinese Medicine			36	36	3.00
BAS410	<i>Musculoskeletal Anatomy I</i>			24	24	2.00
BAS411	<i>Anatomy Lab I</i>		24		24	1.00
BAS412	<i>Organ Systems Anatomy & Physiology I</i>			72	72	6.00
BAS417	<i>Cellular Systems I</i>			36	36	3.00
BAS417T	<i>Cellular Systems Tutorial II</i>		12		12	0.50
PHM416	<i>Palpation I Lab</i>		24		24	1.00
NPH531	Ethics			12	12	1.00
BAS414	Medical Histology			36	36	3.00
BAS414L	Medical Histology lab		24		24	1.00
BAS418	Basic Science Clinical Correlate I		24		24	1.00
NPH410	Naturopathic Medical History, Philosophy & Therapeutics			24	24	2.00
BAS434	Research and Statistics			24	24	2.00
	First Year Fall Totals		108	264	372	26.50
Course#		Clinic	Lab	Lecture	Hours	Credits
BAS420	<i>Musculoskeletal Anatomy II</i>			24	24	2.00
BAS421	<i>Anatomy Lab II</i>		24		24	1.00
BAS422	<i>Organ Systems Anatomy & Physiology II</i>			72	72	6.00
BAS427	<i>Cellular Systems II</i>			36	36	3.00
BAS427T	<i>Cellular Systems Tutorial II</i>		12		12	0.50
BAS440	<i>Microbiology/Public Health I</i>			36	36	3.00
BAS428	Basic Science Clinical Correlate II		24		24	1.00
NPH411	Naturopathic Retreat			18	18	1.50
PHM412	Hydrotherapy with Lab		24	12	36	2.00
PHM426	<i>Palpation II Lab</i>		24		24	1.00
PSY530	Stress Management			12	12	1.00
PSY420	<i>Doctor/Patient Communications I</i>			12	12	1.00
PSY420L	<i>Doctor/Patient Communications I Lab</i>		18		18	0.75
	First Year Winter Totals		126	222	348	23.75
Course#		Clinic	Lab	Lecture	Hours	Credits
	FIRST YEAR SPRING					
BAS431	<i>Anatomy Lab III</i>		12		12	0.50
BAS432	<i>Organs Systems Anatomy & Physiology III</i>			84	84	7.00
BAS440	<i>Microbiology/Public Health II</i>			36	36	3.00
BAS438	Basic Science Clinical Correlate III		24		24	1.00
BAS437	<i>Cellular Systems III</i>			36	36	3.00
BAS437T	<i>Cellular Systems Tutorial III</i>		12		12	0.50
CLS512	<i>Pathology I</i>			36	36	3.00
CLE430	Introduction to Clinic	12			12	0.50
	First Year Spring Totals	12	48	192	252	18.50
	FIRST YEAR CREDIT TOTALS	12	282	678	972	68.75

* May be taken Fall/Winter or Spring

ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

second year

Course#		Clinic	Lab	Lecture	Hours	Credits
CCM411	Chinese Organ Systems: Cosmology & Symbolism I			36		3.00
<i>CLS510</i>	<i>Clinical/Physical Diagnosis I</i>			60	60	5.00
<i>CLS510L</i>	<i>Physical Diagnosis Lab I</i>		24		24	1.00
<i>CLS522</i>	<i>Pathology II</i>			48	48	4.00
CLS513	Lab Diagnosis I			24	24	2.00
CLS513L	Lab Diagnosis I Lab		12		12	0.50
HOM510	Intro Homeopathy			24	24	2.00
NPH511	Naturopathic Medical Philosophy & Therapeutics II			12		1.00
CLS516	Pharmacology I			36	36	3.00
CLS514	Clinical Case Presentations I		24		24	1.00
PHM512	Office Orthopedics I		24		24	1.00
CLE510	Clinical Rotation Hydrotherapy/Massage	36			36	1.50
	Second Year Fall Totals	36	84	228	312	24.00
Course#	SECOND YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM421	Chinese Organ Networks: Cosmology & Symbolism II			36		3.00
BOT520	Botanical Materia Medica I			36	36	3.00
<i>CLS520</i>	<i>Clinical/Physical Diagnosis II</i>			60	60	5.00
<i>CLS520L</i>	<i>Physical Diagnosis Lab II</i>		24		24	1.00
<i>CLS532</i>	<i>Pathology III</i>			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
PHM522	Office Orthopedics II		24		24	1.00
CLS524	Clinical Case Presentation II		24		24	1.00
CLE520	Clinical Rotation Hydrotherapy/Massage	36			36	1.50
	Second Year Winter Totals	36	84	216	336	26.00
Course#	SECOND YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM434	Chinese Organ Networks: Cosmology & Symbolism III			36		3.00
BOT530	Botanical Materia Medica II			24	24	2.00
<i>CLS530</i>	<i>Clinical Physical Diagnosis III</i>			60	60	5.00
<i>CLS530L</i>	<i>Physical Diagnosis Lab III</i>		24		24	1.00
CLS533	Lab Diagnosis III			24	24	2.00
CLS533L	Lab Diagnosis III Lab		12		12	0.50
HOM530	Homeopathy II			24	24	2.00
NUT530	Nutrition I			36	36	3.00
<i>CLS542</i>	<i>Pathology IV</i>			48	48	4.00
CLS534	Clinical Case Presentation III		24		24	1.00
PHM520	Naturopathic Manipulative Therapeutics I			12	12	1.00
PHM520L	Naturopathic Manipulative Therapeutics Lab I		24		24	1.00
CLE942A/B	Clinic Education	24			24	1.00
	Second Year Spring Totals	24	84	264	336	26.50
	SECOND YEAR TOTALS	96	252	708	984	76.50

ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

third year

Course#		Clinic	Lab	Lecture	Hours	Credits
CCM412	THIRD YEAR FALL Chinese Pathology I			24	24	2.00
CCM551	Qigong Practicum I		18		18	0.75
CCM514	Qigong I Retreat			12	12	1.00
BOT610	Botanical Materia Medica III			36	36	3.00
PHM530	Naturopathic Manipulative Therapeutics II			12	12	1.00
PHM530	Naturopathic Manipulative Therapeutics II Lab		24		24	1.00
PHM511	Physiotherapy I Lab		24		24	1.00
NOS613	Gynecology			36	36	3.00
NUT611	<i>Nutrition II</i>			36	36	3.00
HOM610	Homeopathy III			36	36	3.00
CLE972A	Clinic Grand Rounds	24			24	1.00
CLE716F	Clinic Lab Practicum	12			12	0.50
CLE710	Clinic Secondary Shift #1	48			48	2.00
CLE711	Clinic Secondary Shift #2	48			48	2.00
	Third Year Fall Totals	132	66	168	366	24.25
Course#	THIRD YEAR WINTER	Clinic	Lab	Lecture	Hours	Credits
CCM422	Chinese Pathology II			24	24	2.00
CCM552	Qigong Practicum II		18		18	0.75
CCM524	Qigong II Retreat			12	12	1.00
CCM425	Chinese Diagnostic Techniques I		12	12	12	1.50
PHM621	Minor Surgery with Lab I		12	24	36	2.50
PHM521	Physiotherapy II Lab		24		24	1.00
NUT622	Nutrition III			36	36	3.00
PHM610	Naturopathic Manipulative Therapeutics III			12	12	1.00
PHM610L	Naturopathic Manipulative Therapeutics III Lab		24		24	1.00
HOM620	Homeopathy IV			36	36	3.00
NOS615	Gynecology Lab***		24		24	1.00
CLE712	Clinic Secondary Shift #3	48			48	2.00
CLE713	Clinic Secondary Shift #4	48			48	2.00
CLE972B	Clinic Grand Rounds	24			24	1.00
CLE717	Clinic Medicinary Practicum***	24			24	1.00
CLE716W	Clinic Lab Practicum	12			12	0.50
	Third Year Winter Totals	156	96	120	348	24.25
Course#	THIRD YEAR SPRING	Clinic	Lab	Lecture	Hours	Credits
CCM431	Chinese Pathology III			24	24	2.00
CCM553	Qigong Practicum III		18		18	0.75
CCM534	Qigong III Retreat			12	12	1.00
CCM435	Chinese Diagnostic Techniques II		12	12	12	1.50
NPH610	Naturopathic Medical Phil Tutorial ***			18	18	1.50
PHM631	Minor Surgery II w/Lab		12	24	36	2.50
NOS632	Pediatrics			36	36	3.00
NUT633	Nutrition IV			36	36	3.00
CLS632	First Aid & Emergency Medicine			24	24	2.00
PHM640	Naturopathic Manipulative Therapeutics IV			12	12	1.00
PHM640L	Naturopathic Manipulative Therapeutics IV Lab		24		24	1.00
CLE716	Clinic Secondary Shift #6	48			48	2.00
CLE715	Clinic Secondary Shift #5	48			48	2.00
CLE972E	Clinic Grand Rounds	24			24	1.00
CLE716S	Clinic Lab Practicum	12			12	0.50
	Third Year Spring Totals	132	66	198	372	24.75
	THIRD YEAR TOTALS	420	228	486	1086	73.25

*May be taken Winter or Spring *** May be taken Fall, Winter or Spring

ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

fourth year

Course#		Clinic	Lab	Lecture	Hours	Credits
	FOURTH YEAR FALL					
OBS610	Obstetrics I			36	36	3.00
PHM650L	Naturopathic Manipulative Therapeutics V Lab		24		24	1.00
CLE972D	Clinic Grand Rounds	24			24	1.00
CLE822	Clinical Primary Shift #1	48			48	2.00
PHM730	Exercise Therapeutic			24	24	2.00
NOS710	Eye, Ear, Nose & Throat			24	24	2.00
CLE815	Clinic Primary Shift #7	48			48	2.00
CLS614	Diagnostic Imaging I			24	24	2.00
CCM438	Oriental Bodywork		24		24	1.00
CCM614	Qigong IV Retreat			12	12	1.00
CCM654	Qigong Practicum IV		18		18	0.75
CCM511	Herbs I with Lab		12	36	48	3.50
CCM512	Acu-Moxa Points I			36	36	3.00
CCM513	Acu-Moxa Techniques I			24	24	2.00
	Fourth Year Fall Totals	120	78	216	414	26.25
	FOURTH YEAR WINTER					
NOS732	Gastroenterology			24	24	2.00
PSY610	Doctor Patient Communication II			12	12	1.00
PSY610L	Doctor Patient Communication II Lab		12		12	0.50
CLS624	Diagnostic Imaging II			36	36	3.00
NOS720	Neurology			24	24	2.00
NOS721	Urology			24	24	2.00
CLE816	Clinic Primary Shift #8	48			48	2.00
CLE824	Clinical Primary Shift #2	48			48	2.00
CLE972E	Clinic Grand Rounds	24			24	1.00
CCM624	Qigong V			12	12	1.00
CCM655	Qigong Practicum V		18		18	0.75
CCM521	Herbs II with Lab		12	36	48	3.50
CCM522	Acu-Moxa Points II			36	36	3.00
CCM523	Acu-Moxa Techniques II			24	24	2.00
	Fourth Year Winter Totals	120	42	228	390	25.75
	FOURTH YEAR SPRING					
NOS630	Cardiology			36	36	3.00
NOS725	Oncology			24	24	2.00
CLS634	Diagnostic Imaging III			24	24	2.00
CCM630	Clinic Primary Shift #12	48			48	2.00
CLE820	Clinic Primary Shift #13	48			48	2.00
CLE972F	Clinic Grand Rounds	24			24	1.00
CLE825	Clinic Primary #3	48			48	2.00
CCM634	Qigong VI			12	12	1.00
CCM657	Qigong Practicum VI		18		18	0.75
CCM531	Herbs III			36	36	3.00
CCM531L	Herbs III Lab		12		12	0.50
CCM532	Acu-Moxa Points III			36	36	3.00
CCM533	Acu-Moxa Techniques III			24	24	2.00
	Fourth Year Spring Totals	168	30	192	390	24.25
	FOURTH YEAR TOTALS	408	150	636	1194	76.25

* May be taken Winter or Spring

ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

fifth year

Course#		Clinic	Lab	Lecture	Hours	Credits
FIFTH YEAR SUMMER						
CLE718	Clinic X-Ray Practicum	24			24	1.00
CLE810	Clinic Senior Lab Post	12			12	0.50
CLE812	Clinic Primary Shift #4	48			48	2.00
CLE813	Clinic Primary Shift #5	48			48	2.00
CLE814	Clinic Primary Shift #6	48			48	2.00
CLE930	Community Service	24			24	1.00
CLE846	Clinic Field Observation #1-6	264			264	11.00
	Fifth Year Summer Totals	468	0	0	468	19.50
FIFTH YEAR FALL						
NOS714	Geriatrics			12	12	1.00
NOS711	Dermatology			24	24	2.00
PSY722	Psychological Assessment			30	30	2.50
CLE818	Clinic Primary Shift #10	48			48	2.00
CLS631	Environmental Medicine			24	24	2.00
CCM611	Herbs IV			36	36	3.00
CCM757	Qigong Practicum VII		18		18	0.75
CCM610	Internal Medicine I			36	36	3.00
CCM612	Acu-Moxa Points IV			36	36	3.00
CCM613	Acu-Moxa Techniques IV			36	36	3.00
CCM800	Clinic Observation I	48			48	2.00
CCM830	Clinic Observation IV	48			48	2.00
	Fifth Year Fall Totals	144	18	234	396	26.25
FIFTH YEAR WINTER						
NOS723	Proctology			12	12	1.00
PSY720	Counseling Technique with Lab			30	30	2.50
NOS712	Endocrinology			24	24	2.00
CLE819	Clinic Primary Shift #11	48			48	2.00
CLE999	Thesis			12	12	1.00
CCM621	Herbs V			36	36	3.00
NPH723	<i>Business Practice Seminar I</i>			24	24	2.00
CCM620	Internal Medicine II			36	36	3.00
CCM758	Qigong Practicum VIII		18		18	0.75
CCM622	Acu-Moxa Points V			36	36	3.00
CCM623	Acu-Moxa Techniques V			36	36	3.00
CCM810	Clinic Observation II	48			48	2.00
CCM831	Clinic Observation V	48			48	2.00
	Fifth Year Winter Total	144	18	246	408	27.25
FIFTH YEAR SPRING						
NPH733	<i>Business Practice Seminar II</i>			24	24	2.00
NPH731	Jurisprudence			12	12	1.00
CLE817	Clinic Primary Shift #9	48			48	2.00
CLS621	Medical Genetics			24	24	2.00
CCM631	Herbs VI			36	36	3.00
CCM759	Qigong Practicum IX		18		18	0.75
CCM710	Internal Medicine III			36	36	3.00
CCM635	Oriental Dietetics			24	24	2.00
CCM632	Acu-Moxa Points VI			36	36	3.00
CCM633	Acu-Moxa Techniques VI			36	36	3.00
CCM936	CCM Medicinary Practicum	24			24	1.00
CCM820	Clinic Observation III	48			48	2.00
CCM832	Clinic Observation VI	48			48	2.00
	Fifth Year Spring Total	168	18	228	414	26.75
	FIFTH YEAR TOTALS	924	54	708	1686	99.75

ND/MSOM Dual Curriculum - *ND courses that meet CCM Requirements are italicized*

sixth year

Course#		Clinic	Lab	Lecture	Hours	Credits
SIXTH YEAR SUMMER						
CCM992	Master Thesis Tutorial I			12	12	1.00
CCM900	Clinic Internship I	48			48	2.00
CCM901	Clinic Internship II	48			48	2.00
CCM902	Clinic Internship III	48			48	2.00
	Sixth Year Summer Totals	144	0	0	144	7.00
SIXTH YEAR FALL						
CCM981	Traditional Mentorship Tutorial I		24		24	1.00
CCM718	Chinese Medical Psychology			24		2.00
CCM714	Qigong VII Retreat			12	12	1.00
CCM739	Acu-Moxa Review			12	12	1.00
CCM706	Clinical Specialty Topics I			36	36	3.00
CCM811	Taiji I Retreat Weekend He Style or CCM814 Yang Style			12	12	1.00
CCM812	Taiji I Practicum He Style or CCM 815 Yang Style		18		0	0.75
CCM745	Clinical Case Presentation I	24			24	1.00
CCM993	Master Thesis Tutorial II			12	12	1.00
CCM911	Clinic Internship IV	48			48	2.00
CCM912	Clinic Internship V	48			48	2.00
CCM913	Clinic Internship VI	48			48	2.00
	Sixth Year Fall Totals	168	18	84	252	16.75
SIXTH YEAR WINTER						
CCM982	Traditional Mentorship Tutorial II		24		24	1.00
CCM724	Qigong VIII Retreat			12	12	1.00
CCM738	Herbs Review			12	12	1.00
CCM746	Clinical Case Presentation II	24			24	1.00
CCM713	Clinical Specialty Topics II			36	36	3.00
CCM719	Classical Case Studies I			24	24	2.00
CCM737	CCM Ethics & Jurisprudence			12	12	1.00
CCM999	Master Thesis Tutorial III			12	12	1.00
CCM921	Clinical Internship VII	48			48	2.00
CCM922	Clinical Internship VIII	48			48	2.00
CCM923	Clinical Internship IX	48			48	2.00
	Sixth Year Winter Totals	168	24	108	300	17.00
SIXTH YEAR SPRNG						
CCM734	Qigong IX Retreat			12	12	1.00
CCM989	Mentoring Tutorial III		24		24	1.00
CCM721	Classical Case Studies 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
	Sixth Year Spring Totals	216	24	36	276	13.00
	SIXTH YEAR TOTALS	696	66	228	972	53.75
	TOTAL GRADUATION REQUIREMENTS	2556	1032	3450	6900	453.75

ND Curriculum

electives

Course#	Electives	QUARTER OFFERED	Lab	Lecture	Hours	Credits
PHM740E	Advanced Minor Surgery	FALL		36	36	3.00
PHM510E	Colonics	FALL		12	12	1.00
HOM630E	Homeopathy V	SPRING		36	36	3.00
HOM710E	Homeopathy VI	FALL		36	36	3.00
HOM720E	Homeopathy VII	WINTER		36	36	3.00
HOM730E	Homeopathy VIII	SPRING		36	36	3.00
BOT443 E	Northwest Herbs I	FALL		24	24	2.00
BOT453E	Northwest Herbs II	WINTER		24	24	2.00
BOT463E	Northwest Herbs III	SPRING		24	24	2.00
BOT620E	Advanced Topics Botanical Medicine I	FALL		36	36	3.00
BOT630E	Advanced Topics Botanical Medicine II	WINTER		36	36	3.00
NCB620E	Natural Childbirth II	WINTER		36	36	3.00
NCB630E	Natural Childbirth III: Labor & Delivery	SPRING		36	36	3.00
NCB710E	Natural Childbirth IV: Postpartum Management	FALL		36	36	3.00
NCB720E	Natural Childbirth V: Neonatology	WINTER		36	36	3.00
NCB730E	Natural Childbirth VI: Special Topics	SPRING		24	24	2.00
NCB740E	Natural Childbirth VII: Legal Aspects	SPRING		12	12	1.00
CLS640E	Natural Pharmacology	SPRING		24	24	2.00
PHM401E	Bodywork I Massage Foundations	FALL	24		24	1.00
PHM402E	Bodywork II Advanced Massage	WINTER	24		24	1.00
PHM403E	Bodywork III Energy Work	SPRING	24		24	1.00
PHM515E	Somatic Re-Education I	FALL	24		24	1.00
PHM516E	Somatic Re-Education II	FALL/WINTER	24		24	1.00
PHM517E	Somatic Re-Education III	WINTER	24		24	1.00
PHM518E	Somatic Re-Education IV	WINTER	24		24	1.00
PHM519E	Somatic Re-Education V	SPRING	24		24	1.00
PHM710E	IV Therapy	FALL/SPRING	18	12	30	1.75
CLS643E	The Liver in Health & Disease	SPRING		24	24	2.00
NOS699E	Advanced Pediatrics	SPRING		24	24	2.00
PHM699E	Nature Cure	FALL/SPRING		24	24	2.00



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 3,468 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 combines 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 Department Dean and all 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

The study of acu-moxa points begins with two quarters of point location followed by two quarters dealing with therapeutic actions and point combining strategies. The final two quarters focus on the art of point prescribing. Initially courses focus on established, efficacious 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. Acu-moxa points I-III constitutes the first year; IV-VI the second.

CCM 512/522 Acu-Moxa Points I, II: Point Location, Names & Categories

(3 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. 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, spread over two quarters, are part lecture, but mostly experiential, with an emphasis on finding and marking the points on a partner and thereby learning to feel the point and ultimately the qi present there.

Prerequisites: second-year status; CCM 512 for CCM 522
Corequisite: concurrent enrollment in CCM 513/523

CCM 532 Acu-Moxa Points III: Point Actions

(3 lecture credits)

This course focuses on the therapeutic actions of points. Location, name, and category information is reviewed in the context of learning the traditional functions and symptomatic indications for each point. Extra points are also presented.

Prerequisite: CCM 522

Corequisite: concurrent enrollment in CCM 533

CCM 612 Acu-Moxa Points IV: Point Combining Strategies and Protocols

(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.

Prerequisite: CCM 532

Corequisite: concurrent enrollment in CCM 613

CCM 622 Acu-Moxa Points V: Point Prescriptions

(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: Case Analysis & Point Selection

(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 watch 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 Acu-Moxa Techniques I: Diagnostic Skills, Physical Exam

(2 lecture credits)

This course is designed to develop key diagnostic skills. The Chinese physical exam devotes special attention to the observation of the face, tongue, and palpation of the pulse. Understanding and practicing these skills is the core of this class. A Japanese system of evaluating the channels, known as an Akabane test, is also presented as soon as students learn

the channel pathways and ending points. Students practice in and out of class, learn to chart their exam results, and to analyze and evaluate them. Slides are incorporated to facilitate learning tongue diagnosis.

Prerequisite: second-year status

Corequisite: concurrent enrollment in CCM 512

CCM 523 Acu-Moxa Techniques II: Treatment Skills: Adjunct Therapies

(2 lecture credits)

This course focuses on the acquisition of specific treatment skills. These important skills include cupping, moxibustion (both direct and indirect), and cutaneous stimulation, including seven-star (plum-blossom) hammer and *gua sha*.

Diagnostic skills also continue to be developed. Palpation focuses on mu and shu point assessment, along with more general abdominal palpation technique. Patient intake and interviewing skills are developed with a focus on gathering information about the patient's chief complaint, and using the classical "ten questions" to generate a comprehensive intake and foster the critical thinking that differentiating patterns according to Chinese medical theory requires.

Prerequisite: CCM 513

Corequisite: concurrent enrollment in CCM 522

CCM 533 Acu-Moxa Techniques III: Extra Points and 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. In this course, treatment technique focuses on the placement of ear seeds, as needling is not presented until Techniques IV.

Prerequisite: CCM 523

Corequisite: concurrent enrollment in CCM 532

CCM 613 Acu-Moxa Techniques IV: Acupuncture I

(3 lecture credits)

Needle insertion skill is the focus of this course. Nearly 100 different points on all fourteen channels and all parts of the body are the subject of in-class practice. Pain-free insertion, careful advancement of the needle, and finding/obtaining the qi are the primary emphases. Appropriate positioning of the patient and proper alignment of one's own body are also covered. Students practice on each other throughout the year-long training. Learning to attend to patients' concerns and reactions to acupuncture while soliciting feedback are important parts of the course. Following up on Techniques III material, needling of the ear is taught.

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: Acupuncture II

(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: Acupuncture III

(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.

Note: Techniques IV-VI include a qigong component in the belief that good acupuncture 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-III

(1 lab credit each)

This innovative three-part series is a human cadaver dissection 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

