

Naturopathic Profession Overview

Training

- Prerequisites
 - Four year-bachelor degree prior to matriculation
 - Minimum prerequisite courses
 - Biology, Organic Chemistry, Psychology, English, Humanities
 - GPA >3.0
- Naturopathic Program
 - Naturopathic Programs are accredited by NABNE
 - Four year in-residence
 - 4,100 minimum contact hours of instruction
 - 1,200 minimum contact hours for clinical training
 - Program of Study (attached)

Testing

- North American Board of Naturopathic Examiners
 - NPLEX Part 1 – Biomedical Sciences Examination
 - Taken after the second year of training
 - NPLEX Part 2 – Core Clinical Science Examination
 - Taken after graduation and upon passing NPLEX Part 1

Kansas

- 2002 – Passage of the Naturopathic Doctor Licensure Act
- Overview of KSA 65-7201 to 65-7218
 - Graduate of an accredited program and passing of NPLEX examinations
 - Naturopathic statues include
 - Prescribing, recommending or administering food, food extracts, vitamins, minerals, enzymes, whole gland thyroid, botanicals, homoepathic preparations, nonprescription drugs, plant substances not designated as prescription drugs or controlled substances
 - Health care counseling, nutritional counseling, dietary therapy, naturopathic physical applications, barrier contraceptive devices
 - Intramuscular or intravenous administration pursuant to a written protocol with a physician
 - Noninvasive physical examinations, venipuncture to obtain blood for clinical laboratory tests and orofacial examinations excluding endoscopies
 - Minor office procedures
 - Naturopathic acupuncture
 - Naturopathic statues preclude
 - Surgery, obstetrics or administration of ionizing radiation
 - Prescribe, dispense or administer any controlled substances.
- CME Required
 - 50 Continuing education hours required each year
 - 20 within professional supervised setting
 - 30 hours of non-supervised setting
- Professional Liability Insurance
 - According to K.A.R. 100-72-6, professional liability policy must be maintained that complies with a \$200,000 per claim, subject to an annual aggregate of not less than \$600,000.

Meeting of the Kansas Board of Healing Arts

December 8, 2017

Section 1: Introduction

- The Goal of today's meeting is to get clarity on our right as Naturopathic Doctors in the state of Kansas to order imaging.
- Today we will present information and documentation showing the statutes and training of Naturopathic doctors in the state of Kansas that allows us as to order imaging.
- Kansas Naturopathic Doctors are not *performing* ionizing radiation.
- Kansas Naturopathic Doctors are trained in radiology as part of our four-year post-graduate Naturopathic Medical curriculum.

Section 2: Issue At Hand

- It was brought to our attention that members of our community are under the impression that Naturopathic Doctors in the State of Kansas cannot order imaging.
- We as a profession do have the right to order imaging and have been *ordering* imaging since the inception of our statutes in 2002. We are not and have not *performed* ionizing radiation. Consistent with naturopathic training, our profession refers the studies to an appropriately licensed health care professional to conduct and interpret the results
- There was a verbal discussion in 2002 in the Naturopathic Advisory Committee whereupon it was agreed that Naturopathic doctors could order imaging.

Section 3: Legislative Precedent in Kansas

- In 2002 it was discussed that Naturopathic Doctors can order imaging, not perform ionizing radiation. That we cannot perform ionizing radiation does not preclude us from ordering imaging. This was an agreement made through the Naturopathic Advisory Committee.
- Statutes for non-naturopathic medical professions within the state of Kansas are largely silent on imaging rights when it is conveyed that those professions are licensed to diagnose and treat, as it is common practice and understood that imaging is essential to the diagnostic process

Section 4: Legislative Precedent in Other States

- Current Licensed states and their position/statute on ordering imaging
- Eight out of 19 licensed states use the word silent in the determination of image ordering and they have authority to order imaging within those states

Section 5: Naturopathic Training: Clinical Competencies

- Naturopathic medical school is four years long and is divided into quarter terms.
- The first two years include studies in biomedical sciences and general medical diagnosis (including radiology)
- The final two years includes studies/classes in general medical practice (including radiology) and hand-on clinical training

Section 6: Naturopathic Testing And Accreditation

- To be a licensed Naturopathic Doctor, one must graduate from a four-year post-graduate accredited Naturopathic Medical school.
- There are eight accredited schools in the United States and Canada including:
 - Southwest College of Naturopathic Medicine and Health Sciences (SCNM)
 - Bastyr University - Seattle
 - Bastyr University - San Diego
 - National University of Natural Medicine
 - University of Bridgeport College
 - National University of Health Sciences
 - Canadian College of Naturopathic Medicine
 - Boucher Institute of Naturopathic Medicine
- In addition to completion and graduation from an accredited Naturopathic Medical school, one must pass 2 separate sets of board exams (Part I - Biomedical Science Examination and Part II - Core Clinical Science Examination) through the North American Board of Naturopathic Examiners (NABNE). www.nabne.org

Section 7: Courses and Training

- Sample of Program of Study (Attached is the current curricula for SCNM)

Section 8: Radiology Training of Naturopathic Doctors

- In the current curriculum (at SCNM) Radiology training is a part of the General Medical Diagnosis Course I-IV which included between 7-9 credit hours each.
- Prior to the graduating class of 2014, at SCNM, Radiology was taught in a series of 3 separate individual courses. Each course lasted a full quarter, was taught weekly, for 2-2.5 hours each week.
- Texts used in these courses includes:
 - Clinical Radiology: the Essentials, by R.H Daffner, M.D., Lippincott Williams & Wilins, 1998
 - Squire's Fundamentals of Radiology by R.A. Novelline, Harvard U Press, 2004.

Section 9: Comparison of Training

- Attached is training for other professional colleagues

**KANSAS STATE BOARD
OF
HEALING ARTS**



**KANSAS STATUTES
ANNOTATED
AND
KANSAS ADMINISTRATIVE
REGULATIONS
Relating to the practice of
NATUROPATHY**

February 2013

FOREWORD

In 2002, the Kansas Legislature enacted the Naturopathic Doctor Registration Act. The bill was included in the Kansas Statutes Annotated as K.S.A. 65-7201 *et seq.* The statutes designated the Kansas State Board of Healing Arts as the agency responsible for registering naturopathic doctors commencing January 1, 2003. After that date, it became unlawful for anyone not registered by the Board to use the words “doctor of naturopathy”, “doctor of naturopathic medicine”, or “naturopathic medical doctor” or any other words, letters or abbreviations indicating or implying that the person is a naturopathic doctor. Effective, July 1, 2004 it became unlawful to use the term “naturopath” unless the person is registered by the Board.

The following is a compilation of the current statutes and rules and regulations relating to naturopathy.

If you have any questions concerning naturopathy, please contact the Board office.

**KANSAS STATE BOARD OF HEALING ARTS
800 SW JACKSON, LOWER LEVEL-SUITE A
TOPEKA, KANSAS 66612
(785) 296-7413 or toll-free at 1-(888) 886-7205
E-Mail: healingarts@ksbha.ks.gov
Web Site Address: www.ksbha.org**

SECTION 2

NOTE:

The laws and regulations listed in this website booklet are not to be considered the official authority on the current law. While every effort has been made to ensure the accuracy and completeness of this information, for legal purposes the law should be obtained from the Kansas statute books and the regulations from the Kansas Secretary of State's Administrative Regulations.

INDEX

**KANSAS STATUTES ANNOTATED
CHAPTER 65. - NATUROPATHIC DOCTORS**

- 65-7201. Citation of act. K.S.A. 65-7201 to 65-7218, inclusive, and amendments thereto shall be known and may be cited as the naturopathic doctor licensure act.**
- 65-7202. Definitions.**
- 65-7203. Administration of act by state board of healing arts; qualifications of applicants; licensure of certain naturopathic doctors; record of proceedings.**
- 65-7204. Application for licensure; criteria for educational programs; registrant under previous act deemed to be licensed.**
- 65-7205. Examination.**
- 65-7206. Waiver of examination and other requirements; when waived; temporary licensure.**
- 65-7207. Fees.**
- 65-7208. Denial, revocation, limitation or suspension of license or refusal to renew license; unprofessional conduct; discipline; civil fines; procedure; reinstatement.**
- 65-7209. Expiration of licenses; failure to renew; renewal; continuing education; suspended license; fees.**
- 65-7210. Moneys received by board; disposition; healing arts fee fund.**
- 65-7211. Authorized representations; unlawful representations; authority not conferred upon naturopathic doctors to engage in activities not conferred by act.**
- 65-7212. Board of healing arts to adopt naturopathic formulary; naturopathic formulary advisory**

- committee.
- 65-7213. Naturopathic acupuncture specialty certification.
- 65-7214. Naturopathic advisory council; membership; expenses; legislature to consider establishing alternative health care board.
- 65-7215. Injunctive remedies for violations.
- 65-7216. Adjudicative procedures.
- 65-7217. Professional liability insurance required.
- 65-7218. Confidential communications.
- 65-7219. Nothing in act construed to require insurance reimbursement or indemnity for services as a naturopathic doctor.

65-7201
Chapter 65 – PUBLIC HEALTH
Article 72– NATUROPATHIC DOCTORS

65-7201. Citation of act. K.S.A. 65-7201 to 65-7218, inclusive, and amendments thereto shall be known and may be cited as the naturopathic doctor licensure act.

History: L. 2002, ch. 203, § 20; L. 2010, ch. 126, § 1; Jan. 1, 2011.

65-7202
Chapter 65 – PUBLIC HEALTH
Article 72– NATUROPATHIC DOCTORS

65-7202. **Definitions.** As used in K.S.A. 65-7201 to 65-7218, inclusive, and amendments thereto:

- (a) "Naturopathic doctor" means a doctor of naturopathic medicine who is authorized and licensed pursuant to this act.
- (b) "Naturopathic medicine," or "naturopathy" means a system of health care practiced by naturopathic doctors for the prevention, diagnosis and treatment of human health conditions, injuries and diseases, that uses education, natural medicines and therapies to support and stimulate the individual's intrinsic self-healing processes, and includes prescribing, recommending or administering: (1) Food, food extracts, vitamins, minerals, enzymes, whole gland thyroid, botanicals, homeopathic preparations, nonprescription drugs, plant substances that are not designated as prescription drugs or controlled substances, topical drugs as defined in subsection (i) of this section, and amendments thereto; (2) health care counseling, nutritional counseling and dietary therapy, naturopathic physical applications, barrier contraceptive devices; (3) substances on the naturopathic formulary which are authorized for intramuscular or intravenous administration pursuant to a written protocol entered into with a physician who has entered into a written

protocol with a naturopathic doctor licensed under this act; (4) noninvasive physical examinations, venipuncture to obtain blood for clinical laboratory tests and official examinations, excluding endoscopies; (5) minor office procedures; and (6) naturopathic acupuncture. A naturopathic doctor may not perform surgery, obstetrics, administer ionizing radiation, or prescribe, dispense or administer any controlled substances as defined in K.S.A. 65-4101, and amendments thereto, or any prescription-only drugs except those listed on the naturopathic formulary adopted by the board pursuant to this act.

(c) "Board" means the state board of healing arts.

(d) "Approved naturopathic medical college" means a college and program granting the degree of doctor of naturopathy or naturopathic medicine that has been approved by the board under this act and which college and program requires at a minimum a four-year, full-time resident program of academic and clinical study.

(e) "Homeopathic preparations" means substances and drugs prepared according to the official homeopathic pharmacopoeia recognized by the United States food and drug administration.

(f) "Naturopathic acupuncture" means the insertion of fine metal needles through the skin at specific points on or near the surface of the body with or without the palpation of specific points on the body and with or without the application of electric current or heat to the needles or skin or both to treat human disease and impairment and to relieve pain.

(g) "Minor office procedures" means care incidental to superficial lacerations and abrasions, superficial lesions and the removal of foreign bodies located in the superficial tissues, except eyes, and not involving blood vessels, tendons, ligaments or nerves. "Minor office procedures" includes use of antiseptics, but shall not include the suturing, repairing, alteration or removal of tissue or the use of general or spinal anesthesia. Minor office procedures does not include anesthetics or surgery.

(h) "Naturopathic physical applications" means the therapeutic use by naturopathic doctors of the actions or devices of electrical muscle stimulation, galvanic, diathermy, ultrasound, ultraviolet light, constitutional hydrotherapy, naturopathic musculoskeletal technique and therapeutic exercise.

(i) "Topical drugs" means topical analgesics, antiseptics, scabicides, antifungals and antibacterials but does not include prescription only drugs.

(j) "Physician" means a person licensed to practice medicine and surgery.

(k) "Written protocol" means a formal written agreement between a naturopathic doctor licensed under this act and a person licensed to practice medicine and surgery. Any licensee of the board entering into a written protocol with a licensed naturopathic doctor shall notify the board in writing of such relationship by providing such information as the board may require.

History: L. 2002, ch. 203, § 21; L. 2010, ch. 126, § 2; Jan. 1, 2011.

65-7203

Chapter 65 – PUBLIC HEALTH Article 72– NATUROPATHIC DOCTORS

65-7203. Administration of act by state board of healing arts; qualifications of applicants; licensure of certain naturopathic doctors; record of proceedings.

(a) The board, as hereinafter provided, shall administer the provisions of this act.

(b) The board shall judge the qualifications of all applicants for examination and licensure, determine the applicants who successfully pass the examination, duly license such applicants and adopt rules and regulations as may be necessary to administer the provisions of this act.

Statute Precedence in Kansas by Medical Professions

Review of the statues for Chiropractors, and Podiatrists in Kansas reveals that the statues for Chiropractors and Podiatrists are silent on the issue of ordering ionizing radiation. This is consistent with the position that statues are often exclusionary with regard to imaging as it is understood to be part of the diagnosis process. The KS statute for NDs states that we cannot perform ionizing radiation, in regards to ordering ionizing radiation or other imaging, the statues are silent, as set by precedence of the statues by other medical providers.

According to Laura Murphy, who works in the Secretary of State Division, there is no specific language that addresses Chiropractors or Podiatrist ordering X-rays or any type of imaging. In the statues of regulations handbook the only language that was found is in article 28-35-134 and article 28-35-241. Article 28-35-134 is noted below.

Statues and Regulations for Chiropractors and Podiatrist under the Kansas Department of Healing Arts

65-2871

Chapter 65 – PUBLIC HEALTH Article 28 – HEALING ARTS ACT

65-2871. Persons deemed engaged in practice of chiropractic. For the purpose of this act the following persons shall be deemed to be engaged in the practice of chiropractic: (a) Persons who examine, analyze and diagnose the human living body, and its diseases by the use of any physical, thermal or manual method and use the X-ray diagnosis and analysis taught in any accredited chiropractic school or college and (b) persons who adjust any misplaced tissue of any kind or nature, manipulate or treat the human body by manual, mechanical, electrical or natural methods or by the use of physical means, physiotherapy (including light, heat, water or exercise), or by the use of foods, food concentrates, or food extract, or who apply first aid and hygiene, but chiropractors are expressly prohibited from prescribing or administering to any person medicine or drugs in materia medica, or from performing any surgery, as hereinabove stated, or from practicing obstetrics.

History: L. 1957, ch. 343, § 71; L. 1976, ch. 273, § 32; Feb. 13.

65-2872

Chapter 65 – PUBLIC HEALTH Article 28 – HEALING ARTS ACT

65-2872. Persons not engaged in the practice of the healing arts. The practice of the healing arts shall not be construed to include the following persons:

- (a) Persons rendering gratuitous services in the case of an emergency.
- (b) Persons gratuitously administering ordinary household remedies.
- (c) The members of any church practicing their religious tenets provided they shall not be exempt from complying with all public health regulations of the state.
- (d) Students while in actual classroom attendance in an accredited healing arts school who after completing one year's study treat diseases under the supervision of a licensed instructor.
- (e) Students upon the completion of at least three years study in an accredited healing arts school and who, as a part of their academic requirements for a degree, serve a preceptorship not to exceed 180 days under the supervision of a licensed practitioner.

Source: http://www.ksbha.org/statutes/booklets/Statute_and_Regulation_Handbook.pdf - page=21

Additionally, there is no specific language in particular that spoke about x-rays or ionization radiation for podiatrists.

~~for a podiatrist performing an x-ray or ionization radiation.~~

History: L. 1979, ch. 197, § 7; L. 1988, ch. 246, § 9; L. 1997, ch. 94, § 1; L. 2004, ch. 117, § 16; July 1.

65-2013. Rules and regulations.

The board shall adopt such rules and regulations as necessary to carry out the provisions of the podiatry act, and may amend or revoke any existing rules and regulations adopted by the state podiatry board of examiners.

History: L. 1979, ch. 197, § 8; July 1.

65-2014. Citation of act.

K.S.A. 65-2001 to 65-2013, inclusive, and amendments thereto, shall be known and may be cited as the podiatry act.

History: L. 1979, ch. 197, § 9; July 1.

~~of the act.~~

Source: <http://www.ksbha.org/statutes/podiatryact.shtml#ksa652013>

Dec. 8, 2017

I recall a meeting at the Board of Healing Arts in 2002 when rules and regulations were being formulated. The question came up regarding the ordering of imaging and the meaning of the pertinent statute. The legal counsel to the board at the time, Mr. Mark Stafford, assured us that the ordering of imaging was included in our scope of practice. Other people that I recall in attendance were Mehdi Khosh, ND and Dr. Counselman representing the chiropractic association.

Peter Kimble, ND

A handwritten signature in black ink that reads "Peter Kimble". The signature is written in a cursive style with a large initial "P" and a long, sweeping underline.

Statutes for Imaging in States that License Naturopathic Doctors

- Alaska – silent (doesn't exclude from ordering imaging)
- Arizona – silent (doesn't exclude from ordering imaging)
- California –
 - "A naturopathic doctor may order and perform physical and laboratory examinations for diagnostic purposes, including, but not limited to, phlebotomy, clinical laboratory tests, speculum examinations, orificial examinations, and physiological function tests. A naturopathic doctor may order diagnostic imaging studies, including X-ray, ultrasound, mammogram, bone densitometry, and others, consistent with naturopathic training as determined by the bureau, but shall refer the studies to an appropriately licensed health care professional to conduct the study and interpret the results. A licensee of the Committee may order and perform the following functions:
 - (1) Those functions expressly specified in subdivisions (a) and (c) of Section 3640 of the Code.
 - (2) The independent prescription and administration of epinephrine to treat anaphylaxis, as specified in Section 3640.7 of the Code.
 - (3) The independent prescription of natural and synthetic hormones, as specified in Section 3640.7 of the Code. § 4234. Naturopathic Medical Services Performable."
 - **"Section 3640 of the code that is already included in the Authority to Order Tests column:**
 - (a) A naturopathic doctor may order and perform physical and laboratory examinations for diagnostic purposes, including, but not limited to, phlebotomy, clinical laboratory tests, speculum examinations, orificial examinations, and physiological function tests.
 - (b) A naturopathic doctor may order diagnostic imaging studies, including X-ray, ultrasound, mammogram, bone densitometry, and others, consistent with naturopathic training as determined by the committee, but shall refer the studies to an appropriately licensed health care professional to conduct the study and interpret the results.
- Colorado
 - The practice of naturopathic medicine by a naturopathic doctor includes: (b) THE USE OF PHYSICAL EXAMINATIONS AND THE ORDERING OF CLINICAL, LABORATORY, AND RADIOLOGICAL DIAGNOSTIC PROCEDURES FROM LICENSED OR CERTIFIED HEALTH CARE FACILITIES OR LABORATORIES FOR THE PURPOSE OF DIAGNOSING AND EVALUATING INJURIES, DISEASES, AND CONDITIONS IN THE HUMAN BODY;
 - (b) The use of physical examinations and the ordering of clinical, laboratory, and radiological diagnostic procedures "from licensed or certified health care facilities or laboratories for the purpose of diagnosing and evaluating injuries, diseases, and conditions in the human body"
- Connecticut – silent (doesn't exclude from ordering imaging)
- District of Columbia – silent (doesn't exclude from ordering imaging)
- Hawaii – silent (doesn't exclude from ordering imaging)
- Kansas – silent (doesn't exclude from ordering imaging)
- Maine
 - "A naturopathic doctor may use physical examinations for diagnostic purposes including phlebotomy, clinical laboratory tests, speculum examinations and physiological function tests, excluding all endoscopies and physiological function tests requiring infusion, injection, inhalation or ingestion of medications to perform tests. A naturopathic doctor may order ultrasound, x-ray and electrocardiogram tests but must refer to an appropriate licensed health care professional for conducting and interpreting the tests. A naturopathic doctor may prescribe therapeutic devices or use noninvasive diagnostic procedures commonly used by allopathic or osteopathic physicians in general practice.

- **Maryland**
 - Naturopaths can order and perform physical and laboratory exams for diagnostic purposes, including phlebotomy, clinical lab tests, official examinations, electrocardiograms with overread by a cardiologist, and physiological function tests; and can order diagnostic imaging studies and interpret the reports of those studies.
- **Minnesota**
 - "(2) Performing or ordering physical examinations and physiological function tests; (3) ordering clinical laboratory tests and performing waived tests as defined by the United States Food and Drug Administration Clinical Laboratory Improvement Amendments of 1988 (CLIA); (4) referring a patient for diagnostic imaging including x-ray, CT scan, MRI, ultrasound, mammogram, and bone densitometry to an appropriately licensed health care professional to conduct the test and interpret the results; (5) prescribing nonprescription medications and therapeutic devices or ordering noninvasive diagnostic procedures commonly used by physicians in general practice;"
- **Montana**
 - Naturopathic physicians may perform or order for diagnostic purposes a physical or official examination, ultrasound, phlebotomy, clinical laboratory test or examination, physiological function test, and any other noninvasive diagnostic procedure commonly used by physicians in general practice and as authorized by 37-26-201(2). M.C.A § 37-26-101 (4)
- **New Hampshire**
 - "N.H.R.S.A. § 328-E:4 III. Doctors of naturopathic medicine may prescribe nonprescription medications and therapeutic devices or use noninvasive diagnostic procedures commonly used by medical practitioners in general practice. Doctors of naturopathic medicine may use, for diagnostic purposes physical and official examinations, X-rays, electrocardiograms, ultrasound, phlebotomy, clinical laboratory tests and examinations, and physiological function tests. N.H.R.S.A. § 328-E:2, N.H.R.S.A. § 328-E:4"
- **North Dakota**
 - A naturopath may perform or order for diagnostic purposes a physical or official examination, ultrasound, phlebotomy, clinical laboratory test or examination, physiological function test, and any other noninvasive diagnostic procedure commonly used by physicians in general practice and as authorized by the board.
- **Oregon** – silent (doesn't exclude from ordering imaging)
- **Utah**
 - Practice of naturopathic medicine" means: (a) a system of primary health care for the prevention, diagnosis, and treatment of human health conditions, injuries, and diseases that uses education, natural medicines, and natural therapies, to support and stimulate the patient's intrinsic self-healing processes: (vi) prescribing medical equipment and devices, diagnosing by the use of medical equipment and devices, and administering therapy or treatment by the use of medical devices necessary and consistent with the competent practice of naturopathic medicine; U.C.A. § 58-71-102(12)(A)(vi)
- **Vermont**
 - Licensed Naturopath may "(B) Use diagnostic procedures commonly used by physicians in general practice, including physical and official examinations, electrocardiograms, diagnostic imaging techniques, phlebotomy, clinical laboratory tests and examinations, and physiological function tests." V.S.A. § 4121(8)(b)
- **Washington** – silent (doesn't exclude from ordering imaging)



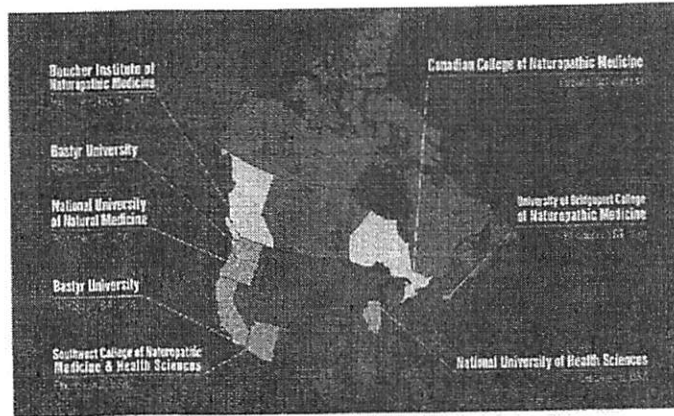
SECTION 5

7 Accredited Naturopathic Programs Across 8 North American Campuses

AANMC's accredited naturopathic schools meet both federal and academic standards. Explore all AANMC member schools to discover the unique qualities of each institution.

[FIND YOUR SCHOOL](#)

Graduation from a naturopathic medicine program that is accredited or is a candidate for accreditation guarantees eligibility to sit for the Naturopathic Physicians Licensing Examinations (NPLEX), the passage of which is required to obtain licensure.



Learn more about each school's specific academic prerequisites [here](#)



Bastyr University
Seattle, Washington, and San Diego, California

Bastyr University is recognized globally for its rigorous curriculum and NIH-funded research. Students learn to view nature as the ultimate teacher of science and thrive on the free exchange of ideas within a nurturing community.

[Learn About Bastyr](#)



BOUCHER INSTITUTE
of Naturopathic Medicine

Boucher Institute of Naturopathic Medicine
British Columbia, Canada

The Boucher Institute is recognized for its innovative curriculum, mentorship model of education and small class sizes. The campus is located in beautiful British Columbia, where naturopathic physicians enjoy one of the widest scopes of practice in North America, including prescription rights.

[Learn About Boucher](#)



ccnm
CANADIAN COLLEGE OF
NATUROPATHIC MEDICINE

Canadian College of Naturopathic Medicine
Toronto, Ontario, Canada

CCNM is Canada's premier institute for education and research in naturopathic medicine, offering new thinking, new research and new approaches to health care.

[Learn About CCNM](#)



National University of Natural Medicine
Portland, Oregon

NUNM has been a recognized authority in providing ground-breaking naturopathic medical education for over 50 years.

[Learn About NUNM](#)



National University of Health Sciences

Chicago, Illinois

NUHS has set standards of educational excellence in health career education since 1906.

[Learn About NUHS](#)

Southwest College of Naturopathic Medicine & Health Sciences

Phoenix, Arizona

SCNM's renowned faculty and dynamic student body share a passion for innovative learning and technology, rigorous clinical training, public health service and the advancement of naturopathic medicine.

[Learn About SCNM](#)



University of Bridgeport College of Naturopathic Medicine

Bridgeport, Connecticut

UBCNM is proud to offer small class sizes, a recently renovated anatomy lab with 24/7 student access and a student to cadaver ratio of 4:1. Our UB Clinics, which offer naturopathic, chiropractic, acupuncture, and dental hygiene services, see about 25,000 patients each year.

[Learn About UBCNM](#)

Learn more about our accredited naturopathic schools and their programs

- [Understanding the academic curriculum of the naturopathic student](#)
- [What prerequisites are required or recommended?](#)
- [Comparing the ND & MD Curricula](#)

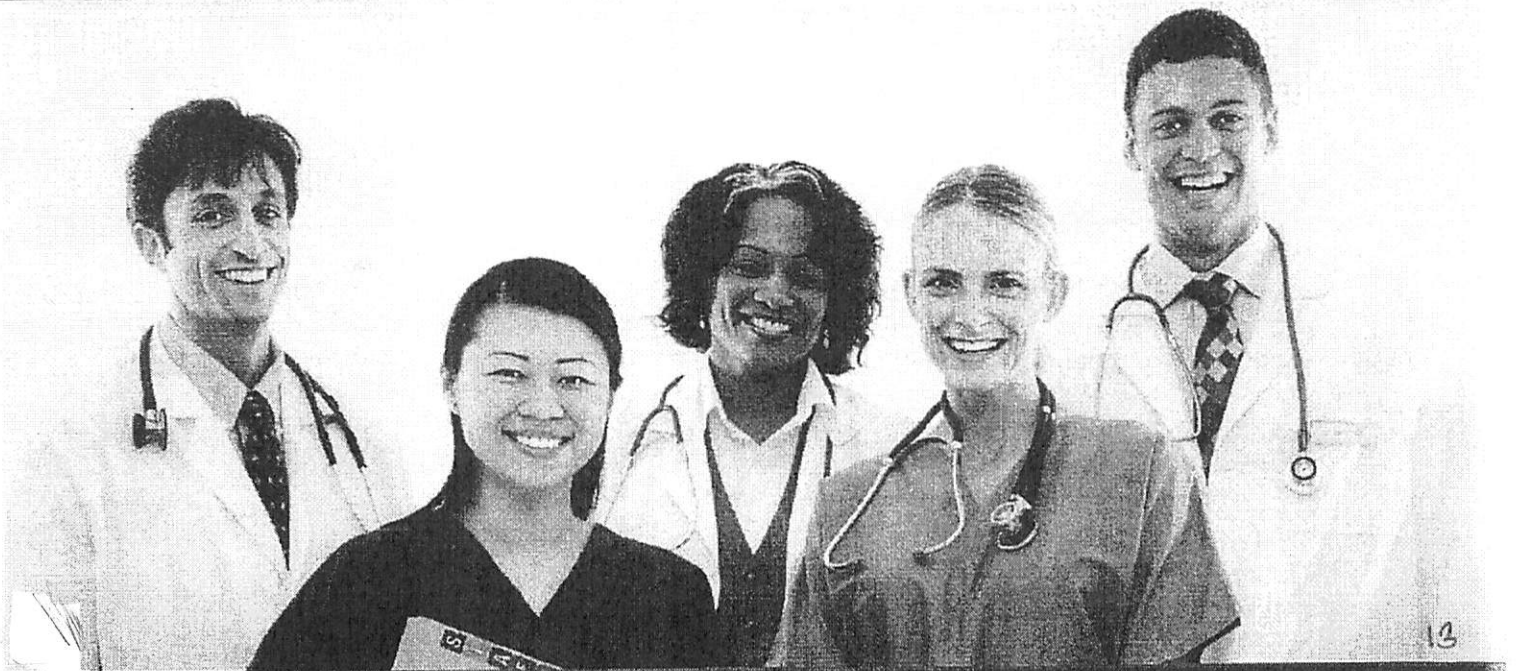
All AANMC member institutions have been accredited by one of the regional accrediting agencies approved by the U.S. Department of Education.

In addition, all of the naturopathic medicine programs of the member schools have been accredited by the Council on Naturopathic Medical Education (CNME), the recognized accreditor for naturopathic medical programs in North America. Graduation from a naturopathic medicine program that is accredited or is a candidate for accreditation guarantees eligibility to sit for the Naturopathic Physicians Licensing Examinations (NPLEX), the passage of which is required to obtain licensure.

Since 1978, the CNME has helped to develop and maintain the highest standards of education for naturopathic doctors. For further information on accreditation, contact:

The Council on Naturopathic Medical Education (CNME)
P.O. Box 178
Great Barrington, MA 01230
Phone: 413.528.6877
www.cnme.org

AANMC Core Competencies *of the Graduating Naturopathic Student*



Purpose

The purpose of the document is to describe the core competencies of a graduate from an accredited naturopathic doctoral program in order to align curriculum, define expectations of graduates and inform stakeholders regarding the education of physicians who practice naturopathic medicine. The expectation is that this document will serve to guide current and future programs of naturopathic medical education.

Introduction

¹Naturopathic Medicine is a distinct primary health care profession that combines the traditions of natural healing with the rigors of modern science. Naturopathic physicians are trained as primary care providers who diagnose, treat and manage patients with acute and chronic conditions, while addressing disease and dysfunction at the levels of body, mind and spirit. They concentrate on whole patient wellness through health promotion and disease prevention, attempting to find the underlying cause of the patient's condition. Naturopathic physicians care for patients of all ages and genders. They provide individualized evidence-informed therapies that balance the least harmful and most effective approaches to help facilitate the body's inherent ability to restore and maintain optimal health.

A resurgence of interest in naturopathic medicine in North America in the 1970s resulted in rapid growth and maturation of the naturopathic profession to where it is today. As of 2014 there are seven institutions of higher learning offering naturopathic degrees in eight locations across North America. The Council on Naturopathic Medical Education (CNME) is the accrediting body for these programs. Graduates of CNME accredited naturopathic medical programs receive a Naturopathic Doctoral designation (ND) and are eligible to sit for the Naturopathic Physicians Licensing Examination (NPLEX).

The Association of Accredited Naturopathic Medical Colleges (AANMC) and its Council of Chief Academic and Clinical Officers (CCACO), recognized the need for agreement among the AANMC member schools on clinical expectations for graduates of CNME accredited naturopathic medical programs. As such, CCACO and AANMC embarked on examination of current clinical expectations and the creation of a unified baseline for clinical competency of the naturopathic medical graduate. In August of 2012, CCACO agreed to embark on the creation of naturopathic clinical competencies for the accredited institutions. In July 2013, academic and clinical deans from each CNME accredited institution met together and developed a draft document, after which time CCACO convened a taskforce of representatives from the accredited naturopathic

¹ References:

House of Delegates Position Paper, American Association of Naturopathic Physicians (Amended 2011)

"What is a Naturopathic Doctor", American Association of Naturopathic Physicians

medical programs and the executive director of AANMC. This subgroup met regularly for six months, and received input from CCACO, stakeholders and advisors in the broader medical and educational communities to create the first draft of the naturopathic clinical competency document. The document then received input from the naturopathic community and final approval from CCACO and the AANMC Board of Directors. The following report constitutes consensus on clinical competencies for the naturopathic medical graduate.

Medical Assessment and Diagnosis

Naturopathic medical graduates conduct a complete and accurate history, physical exam and objective assessment, to arrive at a diagnosis. They demonstrate the knowledge, skills, abilities and attitudes expected of a naturopathic physician within the context of a patient-centered model.

The naturopathic medical graduate:

Elicits a complete and accurate medical and biopsychosocial history

- Establishes a therapeutic doctor-patient relationship
- Demonstrates active listening when taking a history and performing a physical exam
- Assesses the determinants of health, as defined by the World Health Organization
- Documents the medical record consistent with legal, institutional, and ethical requirements

Performs a complete and accurate health examination, including pathological and functional assessment

- Selects assessments and performs diagnostic procedures based on a risk benefit analysis
- Performs appropriate system-specific or hypothesis driven examination based on patient presentation
- Performs health screenings for disease prevention and early diagnosis
- Orders and/or performs appropriate diagnostic tests and imaging studies
- Conducts rapid assessment in emergent situations
- Performs assessments mindful of personal biases including, but not limited to, age, sex, race, ethnicity, disability, religion, social status, gender identity, and sexual orientation

Formulates an accurate medical diagnosis

- Interprets results for laboratory tests, physical examination, imaging studies, and other diagnostic tests
- Integrates the medical history, physical examination and diagnostic testing with naturopathic principles in formulating a diagnosis
- Applies critical thinking and clinical reasoning to the synthesis of a medical diagnosis
- Identifies emergent and life-threatening situations and diagnoses
- Communicates assessment findings and diagnosis with the patient as appropriate

Practice Based Learning, Research, and Scholarship

Naturopathic medical graduates critically appraise, assimilate and apply scientific evidence to improve patient care. They demonstrate an understanding of the strengths and limitations of research. Naturopathic graduates are dedicated to ongoing personal reflection and lifelong learning.

The naturopathic medical graduate:

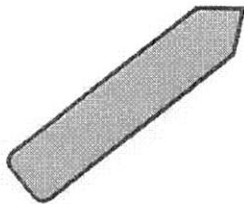
Applies the skills of evidence-informed practice to patient care:

- Formulates a clinical research question to guide the design of the information search, using the principles and tools of evidence-based medicine
- Conducts a literature search efficiently, accessing appropriate resources in order to answer clinical questions
- Demonstrates an understanding of statistical tools
- Critically appraises relevant data to make judgments in integrating the information into clinical practice
- Applies levels of evidence in application and selection of therapeutics and patient management
- Critically evaluates patient care outcomes with respect to qualitative and quantitative measurements
- Advances the practice of naturopathic medicine through contributions to the development and dissemination of new knowledge

Demonstrates reflective practice in a commitment to lifelong learning

- Recognizes limitations in his/her own knowledge, skills, and attitudes
- Assesses professional competence using self-awareness, feedback from others and reflection on practice
- Demonstrates commitment to maintaining and improving knowledge, skills, and attitudes

***** Use of the term physician may vary based on jurisdictional legislation**





Accredited Programs

Site menu:

[Home page](#)

[CNME Board members and officers](#)

[FAQ's](#)

[CNME Accredited and Candidate Programs](#)

[Links](#)

[Forms](#)

[Contact CNME](#)

Bastyr University

Naturopathic Medicine Program (Washington State campus)

14500 Juanita Drive, N.E.

Kenmore, Washington 98028-4966

☎ 425.823.1300

Naturopathic Medicine Program (California campus)

4106 Sorrento Valley Boulevard

San Diego, California 92121

☎ 425.823.1300

BASTYR
UNIVERSITY

Accreditation was initially granted in April 1987 and last reaffirmed in October 2013. The next full-scale evaluation is scheduled for winter/spring of 2019, with a decision on continued accreditation to be made in fall of 2019. The university has institutional accreditation with the Northwest Commission on Colleges and Universities, a U.S. Department of Education-recognized regional accrediting agency.

Boucher Institute of Naturopathic Medicine

Naturopathic Medicine Program

Suite 300

435 Columbia Street

New Westminster, BC V3L 5N8

Canada

☎ 604.777.9981



Initial accreditation was granted in December 2008 and last re-affirmed in May 2015. The next full-scale evaluation visit is scheduled for fall 2017, with a decision on continued accreditation to be made in spring 2018. The college is recognized by all Canadian provinces that license naturopathic practitioners.

Canadian College of Naturopathic Medicine

Naturopathic Medicine Program

1255 Sheppard Avenue East

North York, Ontario M2K 1E2

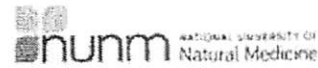
Canada

☎ 416.498.1255

Accreditation was initially granted September 2000, and last reaffirmed in May 2013. The next full-scale evaluation visit is scheduled for fall 2019, with a decision on continued accreditation to be made in spring 2020. The college is recognized by all Canadian provinces that license naturopathic practitioners.



**National University of
Natural Medicine**



Naturopathic Medicine Program

049 S.W. Porter
Portland, Oregon 97201
☎ 503.552.1660

Accreditation was initially granted April 1991 and last reaffirmed in May 2015. The next full-scale evaluation visit is scheduled for fall 2021, with a decision on continued accreditation to be made in spring 2022. The college has institutional accreditation with the Northwest Commission on Colleges and Universities, a U.S. Department of Education recognized regional accrediting agency.

National University of Health Sciences



Naturopathic Medicine Program

200 E. Roosevelt Road
Lombard, Illinois 60148
☎ 800.826.6285

Initial accreditation of the ND program was granted in October 2012 and reaccreditation in October 2016. The next full-scale evaluation visit is scheduled for spring 2022, with a decision on continued accreditation to be made in fall 2022. The university has institutional accreditation with the Higher Learning Commission, a U.S. Department of Education recognized regional accrediting agency.

**Southwest College of Naturopathic
Medicine & Health Sciences**



Naturopathic Medicine Program

2140 E. Broadway Road
Tempe, Arizona 85282
☎ 480.858.9100

Accreditation was initially granted in 1999, and last re-affirmed in May 2013. The next full-scale evaluation visit is scheduled for fall 2018, with a decision on continued accreditation to be made in spring 2019. The college has institutional accreditation with the North Central Association of Colleges and Schools, a U.S. Department of Education recognized regional accrediting agency.

University of Bridgeport College of Naturopathic Medicine

Naturopathic Medicine Program

60 Lafayette Street
Bridgeport, Connecticut 06604
☎ 203.576.4109



Initial accreditation was granted in March 2006 and last re-affirmed in May 2014. The next full-scale evaluation visit is scheduled for fall 2017, with a decision on continued accreditation to be made in spring 2018. The university has institutional accreditation with the New England Association of Schools and Colleges, a U.S. Department of Education recognized regional accrediting agency.

Candidate Programs

Universidad del Turabo

School of Health Sciences
P.O. Box 303
Gurabo, Puerto Rico 00778
☎ 787.743.7979



Candidacy was initially granted in May 2015, and candidacy status was reaffirmed in May 2017. An evaluation visit for initial accreditation is scheduled for winter or spring 2019, with a decision on initial accreditation to be made in fall 2019 or spring 2020. The university is accredited by Middle States Commission on Higher Education.



**CNME ACCREDITATION STANDARDS
FOR NATUROPATHIC MEDICINE PROGRAMS**

**Draft Revised Version for Public Comment
August 2015**

■ Standard I: Program Mission and Outcomes

A. Program Mission and Outcomes

1. A naturopathic medicine program (henceforth referred to as the “program”) has a clear, concise and realistic program mission statement that identifies what it intends to accomplish, and encompasses the educational preparation of naturopathic physicians/doctors.
2. The program mission statement is consistent with the operating authority of the program and institution, and reflects doctoral level education. For a program located within a multipurpose higher education institution, the program mission statement is aligned with the institutional mission statement.
3. The program mission statement must be accompanied by a set of program outcomes. The outcomes must be consistent with the mission statement and guide the program in establishing specific student learning and other outcomes in the program.

B. Development, Implementation and Review of the Program Mission and Outcomes

1. The program mission statement is developed through an inclusive process that involves the program’s constituencies, including the administration, faculty and students, and is periodically reviewed in the contexts of continuing self-study and assessments of program outcomes and effectiveness. The program mission statement is formally approved by the institution’s governing board.
2. The program mission statement and program outcomes are widely disseminated, consistently appear in appropriate program publications (including the catalog or academic calendar), and are generally understood and supported by the program’s communities of interest.
3. The program mission statement and program outcomes serve as the foundation for all of the program’s activities, services and policies; they inform the strategic planning process and guide the allocation of resources.

■ Standard II: Organization, Governance and Administration

A. Legal Organization and Governance

1. The institution offering the program must be incorporated and authorized to operate under the applicable laws of the state or province and local community in which it is located, and authorized to offer a Doctor of Naturopathic Medicine degree, or a substantially equivalent credential, from the appropriate state or provincial agency.

** pages 2-18 have been removed for a succinct presentation.
they are available upon request*

be identified clearly. Publications and advertising must accurately represent employment, career and licensure opportunities.

3. The program must publish its status and relationship with the Council and provide the Council's address and phone number in accordance with CNME Policy 5, Representation of a Program's Relationship with the Council.

■ Standard VI: Program of Study

A. Program Development, Delivery and Integration

1. The program of study, including the academic and clinical components, is competency based. A naturopathic medicine program clearly articulates the required competencies/learning outcomes of individual courses, consistent with its program mission and program outcomes, that it considers necessary for a student to graduate as a competent doctor of naturopathic medicine. The program also incorporates any competencies formally adopted by CNME.
2. A naturopathic medicine program is typically presented in a quarter, trimester or semester format over a minimum time period of four calendar years. While a diversity of instructional methods may be used in the delivery of the program, the majority of the program is residential and the clinical internship portion of the program is entirely residential. Including clinical education, a naturopathic medicine program requires a minimum of 4,100 clock hours. Assignment of credits is consistent with accepted practices in higher education.
3. The program supports students in establishing a community of learning, and there is frequent and meaningful interaction between faculty and students, and among students, including in the context of courses that utilize information and communication technology.
4. Should the institution enter into an articulation agreement with another institution for the delivery of a portion of the program, the content, delivery mechanisms, and evaluation of student learning for that portion of the program must comply with the CNME standards.
5. A syllabus must be prepared for each course or major unit of instruction, distributed to each student in the course, and maintained in the program's records. The syllabus must contain the following information:
 - a. The purpose of the course
 - b. The learning outcomes of the course in specific terms, and the educational competencies to be attained
 - c. An outline of the content of the course and laboratory instruction in enough detail to permit the student to see its full scope
 - d. The method(s) of instruction and student evaluation
 - e. The requirements of the course with important dates (e.g., papers, projects, examinations)
 - f. The type of grading system used
 - g. The required and recommended reading
6. The instructional methods and policies reflect the program's mission and outcomes, as well as the specific learning outcomes/competencies of individual courses. The program utilizes diverse instructional methods, such as in-person lecture, practical lab, web-enhanced activity, blended/hybrid courses, etc.
7. Academic and clinical education components are carefully coordinated and integrated, and are mutually reinforcing. The program allows for a graduated progression in the student's development

of knowledge, skills, attitudes and behaviors, and fosters the student's consequent ability to manage increasingly complex clinical knowledge and patient cases.

8. Naturopathic principles, philosophy, and clinical theory and practice are integrated throughout the entire program, including the following Principles of Naturopathic Medicine, as adopted by the American Association of Naturopathic Physicians (AANP) and the Canadian Association of Naturopathic Doctors (CAND):
 - The healing power of nature
 - First do no harm
 - Identify and treat the cause
 - Doctor as teacher
 - Treat the whole person
 - Disease prevention and health promotion
9. The program must establish and publish course prerequisites, and ensure that prerequisites are followed.
10. A curriculum review committee regularly reviews, evaluates and revises, as needed, the content and instructional methodology of the program to ensure that required competencies and expected learning outcomes are achieved; the review process takes into account findings identified by the program's and institution's assessment processes and the ongoing development of the naturopathic medical field.

B. Academic Component

1. The academic component of the program of study is competency based, and fosters the development of required knowledge, skills, attitudes and behaviors in naturopathic medicine, including biomedical sciences and clinical sciences. Courses that prepare students to assess and diagnose the causes of disease incorporate an awareness and understanding of naturopathic principles, philosophy, clinical theory and clinical practice.
2. Students learn how to advise patients on prevention and wellness, how to effectively treat patients who have identified health concerns, diseases or conditions using naturopathic therapeutics and principles, how to make a diagnosis and prognosis, and how to evaluate and manage patient outcomes.
3. Laboratory instruction and clinical demonstrations are utilized in the learning process in order to assist in the development of clinical acumen. Students learn the skills necessary to access and evaluate medical information from diverse media. Practical or applied skills are acquired through practical coursework and the clinical education experience (see Section C, Clinical Education Component, below).
4. The program's academic component:
 - a. Includes courses that comprehensively cover the subject areas of naturopathic medical history, principles, philosophy and clinical theory, and that integrate these subject areas throughout the program beginning with coursework early in the program that lays a strong foundation through to the completion of the clinical training component of the program.
 - b. Supports development of the student's skills in patient lifestyle counseling in preventive approaches, including health education/promotion, disease prevention and mind-body medicine.
 - c. Supports development of the student's ability to competently take and record a patient's health history, effectively evaluate the causes and evolution of the chief complaints and present health status, appropriately utilize naturopathic assessments (including physical examination and

- laboratory findings), develop a differential diagnosis, create a treatment plan consistent with naturopathic principles, philosophy, clinical theory and clinical practice, make a prognosis, and evaluate clinical outcomes.
- d. Supports students in becoming clinically competent, caring and ethical primary care/general practice physicians/doctors, with a well-developed sense of personal wellness, knowledge of their unique skills as healers, and full understanding of their scope of practice and its strengths and limitations.
 - e. Provides students with a solid understanding of research methodology, including the applicability and use of evidence-based and evidence-informed research approaches in the context of naturopathic medicine, and supports development of the student's ability to: (i) evaluate and apply knowledge and information obtained from a variety of sources, including scientific and professional literature, clinical experience, and traditional naturopathic practices; (ii) participate effectively in research and scholarly activity; and (iii) document and evaluate the outcomes of naturopathic medicine.
 - f. Provides students with a solid understanding of practice management, professional ethics and jurisprudence, and supports development of the range of business skills necessary to build and sustain a successful naturopathic medical practice, including an understanding of the principles of financial recordkeeping and effective marketing and communication.
 - g. Supports students in developing the verbal and written communication skills necessary to work effectively with patients, the general public and other healthcare practitioners, and the ability to make appropriate referrals.
 - h. Emphasizes the importance of lifelong learning.
5. The academic component provides an in-depth study of human health, as well as instruction in a variety of therapeutic and clinical subject areas relevant to the practice of naturopathic medicine; where appropriate, instruction includes related experiences in laboratory settings designed to reinforce and augment classroom learning. The following subject matter/courses are included:
- a. Biomedical sciences, including: anatomy, gross anatomy lab, neuroanatomy, embryology and histology; physiology; pathology and microbiology; and biochemistry, genetics and selected elements of biomechanics relevant to the program
 - b. Environmental and public health, including epidemiology, clinical ecology, immunology and infectious diseases
 - c. Pharmacology and pharmacognosy
 - d. Diagnostic subject matter/courses, including physical, psychological, clinical, laboratory, diagnostic imaging, and differential diagnoses
 - e. Therapeutic subject matter/courses, including botanical medicine, homeopathy, emergency and legend drugs, clinical nutrition, physical medicine, exercise therapy, hydrotherapy, counseling, nature cure, basic acupuncture and Oriental medicine, medical procedures/emergencies, and minor surgery
 - f. Clinical subject matter/courses, including body systems and their interactions, cardiology, psychology, dermatology, endocrinology, EENT, gastroenterology, urology, proctology, gynecology, neurology, orthopedics, pulmonology, natural childbirth/obstetrics, pediatrics, geriatrics, rheumatology, oncology and hematology

C. Clinical Education Component

1. The clinical education component of the program is competency based and integrated with the academic component of the program of study. It provides an opportunity for students to develop competence in applying naturopathic principles, philosophy and clinical theory to clinical practice, as well as for further development and application of the knowledge, skills, attitudes, behaviors and

values introduced in the academic component.

2. The clinical educational component enables students to develop the clinical competence, skills, professionalism and confidence necessary for successful clinical practice. The clinical component also enables students to become integral members of the health care profession and active participants in the community, to collaborate effectively with providers in other health care fields, and to work in integrative/multidisciplinary health care settings.
3. Student achievement standards, competencies, policies, and evaluation procedures in the clinical education component are consistent with the principle of gradually ascending student responsibility: the level of clinical responsibility accorded student clinicians is gradually increased in accordance with their level of competence.
4. The following are among the elements that characterize the clinical education component:
 - a. A clinical experience that integrates naturopathic principles, philosophy, clinical theory and clinical practice into every clinical interaction;
 - b. A clinical experience that provides students with the opportunities to develop the clinical knowledge, skills and critical judgment necessary for safe and effective practice as a primary care/general practice naturopathic physician/doctor, including patient counseling on health promotion and disease prevention, patient assessment, diagnosis, treatment, prognosis and management, and referral as appropriate;
 - c. Opportunities to demonstrate competence in the full range of naturopathic therapies as set forth in Standard VI;
 - d. Opportunities to develop the knowledge, skills, attitudes and behaviors necessary to establish effective professional relationships with patients, faculty, colleagues, other health care practitioners and the public;
 - e. Opportunities to treat patients of all ages, to treat a wide variety of conditions and diseases, and to develop case management skills;
 - f. Opportunities to develop cultural competence in such areas as human sexuality and gender sensitivity, as well as in cross-cultural situations;
 - g. Opportunities to develop an understanding of medical ethics and the medical consequences of common societal and environmental problems;
 - h. Group forums for discussion among clinical faculty and students on a variety of clinical subjects and case analyses, with the inclusion of naturopathic principles, philosophy and clinical theory as relevant to the discussion topic;
 - i. Opportunities to develop a thorough knowledge and the necessary skills of charting and coding practices and patient record maintenance, including applicable jurisdictional legal requirements (e.g., electronic communications and telemedicine); and
 - j. Opportunities in naturopathic practice management (e.g., attracting and retaining patients, time management, charging and collecting fees, etc.).
5. The program's clinical education component provides at least 1,200 clock hours of clinical training involving patient contact in residential clinical settings. The following requirements pertain to the clinical education component:
 - a. Of the 1,200 hours, student clinicians must spend a minimum of 850 hours involved in patient care, in either a primary or secondary capacity, under direct supervision of clinical faculty members, in a naturopathic clinic where clinical competencies are evaluated by the program.
 - b. The 1,200 hours of clinical experience may include the time students spend in preceptorship and field observation experiences in practicing naturopathic physicians' offices or in other clinical settings; however, time spent in preceptorship and field observation may not count towards the

NABNE



North American Board of Naturopathic Examiners

About Us

NABNE (the North American Board of Naturopathic Examiners) is an independent, nonprofit organization formed as a service to the naturopathic profession and the agencies that license/register naturopathic physicians. NABNE serves regulating bodies by qualifying applicants to take the NPLEX (Naturopathic Physicians Licensing Examinations), administering the examinations, and sending exam results and transcripts to regulatory authorities. The five-member NABNE Board works with an Advisory Council comprised of representatives of:

- The Council on Naturopathic Medical Education (CNME)
- The Council of Chief Academic and Clinical Officers (CCACO) representing the nine CNME-approved naturopathic medical programs
- The Federation of Naturopathic Medicine Regulatory Authorities (FNMRA) representing the state/provincial naturopathic regulatory authorities
- The American Association of Naturopathic Physicians (AANP)
- The Canadian Association of Naturopathic Doctors (CAND)
- The public

NPLEX (Naturopathic Physician's Licensing Examinations) is an independent, nonprofit organization whose purpose is to prepare valid and reliable Part I Examinations that assess the readiness of students to enter the clinical phase of training, and Part II Examinations that assess the entry-level competence of candidates who plan to become licensed/registered naturopathic physicians. The NPLEX Council of Exam Chairs oversees the exam development process.

NABNE

- Qualifies applicants to take the NPLEX Examinations
- Administers the NPLEX Examinations
- Sends NPLEX exam results to examinees and to regulatory authorities
- Serves as an unbiased repository of NPLEX exam results and sends transcripts to regulatory authorities
- Upon request, manually verifies responses on answer sheets

NPLEX

- Surveys the profession to determine the competencies that an entry-level ND must master
- Publishes the competencies on which examinees will be tested
- Develops the NPLEX Examinations
- Establishes the passing score
- Scores the NPLEX Examinations

About the NPLEX Examinations

Every jurisdiction that licenses/registers naturopathic physicians requires that you pass both the NPLEX Part I – Biomedical Science and NPLEX Part II – Core Clinical Science Examination. To be eligible for licensure to practice as a naturopathic physician, you may also be required to pass some or all of the NPLEX Part II – Clinical Elective Examinations (Minor Surgery, Acupuncture, and/or Elective Pharmacology), or to take additional examinations administered by a regulatory authority (see [Jurisdictional Requirements for Licensure/Registration](#)).

The NPLEX Part I – Biomedical Science Examination may be taken after you have completed all biomedical science coursework at an [approved naturopathic medical program](#) (ANMP). The NPLEX Part II – Clinical Science Examinations may be taken after you have passed the NPLEX Part I – Biomedical Science Examination and have graduated from an ANMP.

NABNE



North American Board of Naturopathic Examiners

Exam Results

Passing Standards

The NPLEX Part I – Biomedical Science Examination

The NPLEX Part I – Biomedical Science Examination (BSE) is a single, integrated examination that is designed to test your knowledge of biological structure/function and disease/dysfunction. To pass the examination, you must be able to demonstrate concurrent¹ competence in both *general exam areas* (GEAs)²: *Structure/Function* and *Disease/Dysfunction*. [Note: To pass both GEAs, you will have to demonstrate minimal competence in each of five *specific exam areas* (anatomy, biochemistry & genetics, physiology, microbiology & immunology, and pathology).]

The NPLEX Part II – Clinical Science Examinations

The NPLEX Part II – Core Clinical Science Examination (CCSE) is a single integrated examination that is designed to test your knowledge of diagnosis, treatment, and medical interventions. To pass the examination, you must be able to demonstrate concurrent³ competence in four *general exam areas* (GEAs)⁴: *Diagnosis*, *Materia Medica*, *Other Modalities*, and *Medical Interventions*. [Note: To pass all four GEAs, you will have to demonstrate minimal competence in each of nine *specific exam areas* (physical & clinical diagnosis, lab testing & diagnostic imaging, botanical medicine, homeopathy, nutrition, physical medicine, psychology, emergency medicine, and pharmacology).] You have passed a Part II – Clinical Elective Examination (Acupuncture, Minor Surgery, and/or Elective Pharmacology) when you have achieved a minimum converted⁵ score of 75.

- ¹ You must pass both *general exam areas* within the same exam administration in order to pass the examination (e.g., passing one *general exam area* in one exam administration and the other in another exam administration, does not constitute a passing result).
- ² You have passed the Part I – Biomedical Science Examination when you have correctly answered at least the number of questions that NPLEX subject matter experts (licensed/registered N.D.s) have determined are required to demonstrate competence in each of the two *general exam areas* (NPLEX uses a modified Angoff method to set the passing score).
- ³ You must pass all four *general exam areas* within the same exam administration in order to pass the examination (e.g., passing two *general exam areas* in one exam administration and the other two in another exam administration, does not constitute a passing result).

4 You have passed the Part II – Core Clinical Science Examination when you have correctly answered at least the number of questions that NPLEX subject matter experts (licensed/registered N.D.s) have determined are required to demonstrate competence in each of the four *general exam areas* (NPLEX uses a modified Angoff method to set the passing score).

5 A *converted* score of 75 is a scaled score that represents the minimum percentage of items you must answer correctly in order to pass the examination. It is not the percentage of correct answers. The actual percentage represented by a converted (scaled) score of 75 is usually in the range of 60-70%, depending on the difficulty of the particular examination.

Reporting of Exam Results

Approximately seven (7) weeks after the exam administration, you will be sent a report of your exam results by mail.

Exam results are the property of the examinee. NABNE serves as an unbiased repository of those results. Your exam results will not be released without your permission. To avoid possible misinterpretation and to protect your privacy, exam results will not be reported by telephone, fax, or e-mail.

Part I – Biomedical Science Exam Results

The report of your Part I – Biomedical Science Examination results will provide information regarding your overall passing status, and will include a visual scale that illustrates your performance in each of the two *general exam areas*, relative to the minimum percentage of items you must correctly answer to pass that *general exam area*.

- **Comprehensive Mastery** indicates, with either a "P" (Pass) or "F" (Fail) designation, whether or not you have passed the NPLEX Part I – Biomedical Science Examination. You have passed the NPLEX Part I Biomedical Science Examination when you have achieved a "P" (Pass) in both of the two *general exam areas*:
- **Structure/Function**, which reflects the result you achieved on the exam items that relate to anatomy, biochemistry & genetics, and physiology
- **Disease/Dysfunction**, which reflects the result you achieved on the exam items that pertain to microbiology & immunology and pathology

If you fail the examination, your report will also provide a visual scale that illustrates the strength of your performance in each of the five *specific exam areas* relative to your performance in the other *specific exam areas*.

Part II – Clinical Science Exam Results

The report of your Part II – Core Clinical Science Examination results will provide information regarding your overall passing status, and will include a visual scale that illustrates your performance in each of the four *general exam areas* relative to the minimum percentage of items you must correctly answer to pass that *general exam area*.

- **Comprehensive Mastery** indicates, with either a "P" (Pass) or "F" (Fail) designation, whether or not you have passed the NPLEX Part II – Core Clinical Science Examination. You have passed the NPLEX Part II – Core Clinical Science Examination when you have achieved a "P" (Pass) in all four *general exam areas*:
- **Diagnosis**, which reflects the result you achieved on the exam items that relate to physical & clinical diagnosis, and lab testing & diagnostic imaging
- **Materia Medica**, which reflects the result you achieved on the exam items that relate to botanical medicine and homeopathy
- **Other Modalities**, which reflects the result you achieved on the exam items that relate to nutrition, physical medicine, and psychology

- **Medical Interventions**, which reflects the result you achieved on the exam items that relate to emergency medicine and pharmacology

If you fail the examination, your report will also provide a visual scale that illustrates the strength of your performance in each of the nine *specific exam areas* relative to your performance in the other *specific exam areas*.

If you have taken any Part II – Clinical Elective Examination(s), the report you receive in the mail will include a section that shows a "P" (Pass) or "F" (Fail) designation along with the converted score(s) you achieved.

NABNE will send this report of your CCSE exam results and your Acupuncture and Minor Surgery Examination scores (if you took either/both examinations) to the single regulatory you selected on your Part II – Clinical Science Examination Application. If you took the Elective Pharmacology Examination (EPE), your score on that examination will be sent to the regulatory authority you indicated **only** if that jurisdiction requires that you take the EPE. If, at a later date, the jurisdiction in which you are licensed requires the EPE, your score may be requested via the transcript process.

NABNE serves as an unbiased repository of your exam results. Your exam results will not be released without your permission. To avoid possible misinterpretation and to protect your privacy, exam results will not be reported to you by telephone, fax, or email.

Program of Study - Year One

Quarter 1		Fall 2017-2018/Spring 2017-2018		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic				
ANAT 5014	Regional Anatomy, Embryology and Histology I			55.0			55.00	5.0
ANAT 5014/L	Regional Anatomy, Embryology and Histology I Lab		33.0				33.00	3.0
PHYS 5014	Human Physiology and Endocrinology I			44.0			44.00	4.0
PHYS 5014/L	Human Physiology and Endocrinology I Lab		11.0				11.00	1.0
ICSA 5014	Integrated Case Studies Application I			11.0			11.00	1.0
BIOC 5014	Biochemistry I			44.0			44.00	4.0
RSCH 5016	Research I			11.0			11.00	1.0
CLPR 5010	Intro to Clinical Practice I ¹	22.0					22.00	2.0
CLPR 5010L	Intro to Clinical Practice Skills Lab I ¹	22.0					22.00	2.0
NTMD 5010	Philosophical and Historical Foundations of Nat Med I			22.0			22.00	2.0
Year 1 Quarter 1 Totals		44.0	44.0	187.0			275.00	25.0
Quarter 2		Winter 2017-2018/Summer 2017-2018		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic				
ANAT 5024	Regional Anatomy, Embryology and Histology II			33.0			33.00	3.0
ANAT 5024/L	Regional Anatomy, Embryology and Histology II Lab		33.0				33.00	3.0
PHYS 5024	Human Physiology and Endocrinology II			44.0			44.00	4.0
PHYS 5024/L	Human Physiology and Endocrinology II Lab		11.0				11.00	1.0
ICSA 5024	Integrated Case Studies Application II			11.0			11.00	1.0
BIOC 5026	Biochemistry II			44.0			44.00	4.0
IMMU 5024	Immunology			33.0			33.00	3.0
RSCH 5024	Research II			11.0			11.00	1.0
CLPR 5020	Intro to Clinical Practice II ¹	22.0					22.00	2.0
CLPR 5020L	Intro to Clinical Practice Skills Lab II ¹	22.0					22.00	2.0
NTMD 5020	Philosophical and Historical Foundations of Nat Med II			22.0			22.00	2.0
Year 1 Quarter 2 Totals		44.0	44.0	198.0			286.00	26.0
Quarter 3		Spring 2017-2018/Fall 2018-2019		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic				
ANAT 5034	Regional Anatomy, Embryology and Histology III			33.0			33.00	3.0
ANAT 5034/L	Regional Anatomy, Embryology and Histology III Lab		33.0				33.00	3.0
PHYS 5034	Human Physiology and Endocrinology III			44.0			44.00	4.0
PHYS 5034/L	Human Physiology and Endocrinology III Lab		11.0				11.00	1.0
ICSA 5034	Integrated Case Studies Application III			11.0			11.00	1.0
MGEN 5034	Medical Genetics			44.0			44.00	4.0
MICR 5026	Microbiology I			33.0			33.00	3.0
MICR 5026L	Microbiology I Lab		22.0				22.00	2.0
CLPR 5030	Intro to Clinical Practice III ¹	22.0					22.00	2.0
CLPR 5030L	Intro to Clinical Practice Skills Lab III ¹	22.0					22.00	2.0
NTMD 5030	Philosophical and Historical Foundations of Nat Med III			22.0			22.00	2.0
Year 1 Quarter 3 Totals		44.0	66.0	187.0			297.00	27.0
Quarter 4		Summer 2017-2018/Winter 2018-2019		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic				
CAPS 5014	Basic Sciences Capstone/NPLEX I Review (weeks 1 - 4)			44.0			44.00	4.0
GNMD 6014	Gen Med Diagnosis I (weeks 5 - 11)			77.0			77.00	7.0
ENVM 6010	Environmental Med			27.5			27.50	2.5
MICR 5034	Microbiology II			44.0			44.00	4.0
PSYC 6010	Mind Body Med: Fund of Mind-Body Med			22.0			22.00	2.0
OMND 6010	Oriental Med I: Theory & Fundamentals of Oriental Med			27.5			27.50	2.5
PHMD 6010	Physical Med I: Intro to Phys Med and Orthopedics			11.0			11.00	1.0
PHMD 6010L	Physical Med I: Intro to Phys Med and Orthopedics Lab		11.0				11.00	1.0
See below for additional courses and credits that count toward degree completion								
Year 2 Quarter 4 Totals		0.0	11.0	253.0			264.00	24.0
Grand Totals - Year 1		132.0	165.0	825.0			1,122.00	102.0

Program of Study - Year Two

Quarter 5		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic		
CLPR 6040	Clinical Practice I ¹	22.0			22.00	2.0
CLPR 6040L	Clinical Practice Skills Lab I ¹	22.0			22.00	2.0
GNMD 6024	Gen Med Diagnosis II			99.0	99.00	9.0
BOTM 6010	Botanical Med I: Intro to Botanical Medicine			22.0	22.00	2.0
NUTR 6014	Nutrition I			22.0	22.00	2.0
OMND 6020	Oriental Med II: TCM Diagnosis			27.5	27.50	2.5
PHAR 6010	Pharmacology and Pharmacotherapeutics I			33.0	33.00	3.0
PHMD 6020	Physical Med II: Nat Manipulative Treatment Assessment & App I			22.0	22.00	2.0
PHMD 6020L	Physical Med II: Nat Manipulative Treatment Assessment & App I Lab		22.0		22.00	2.0
See below for additional courses and credits that count toward degree completion						
Year 2 Quarter 5 Totals		44.0	22.0	225.5	291.50	26.5
Quarter 6		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic		
CLPR 6050	Clinical Practice II ¹	22.0			22.00	2.0
CLPR 6050L	Clinical Practice Skills Lab II ¹	22.0			22.00	2.0
GNMD 6034	Gen Med Diagnosis III			99.0	99.00	9.0
BOTM 6020L	Botanical Med Lab II: Pharmacy of Botanical Med (may be taken in Qtr 6 or Qtr 7)		22.0		22.00	2.0
NUTR 6024	Nutrition II			27.5	27.50	2.5
OMND 6030	Oriental Med III: Meridians & Points I			22.0	22.00	2.0
OMND 6030L	Oriental Med III: Meridians & Points I Lab		11.0		11.00	1.0
MNGT 6010	Practice Management I: Operations (weekend intensive) (Spring entry only)			11.0	11.00	1.0
PHAR 6020	Pharmacology and Pharmacotherapeutics II			33.0	33.00	3.0
PHMD 6030	Physical Med III: Nat Manipulative Treatment Assessment & App II			22.0	22.00	2.0
PHMD 6030L	Physical Med III: Nat Manipulative Treatment Assessment & App II Lab		22.0		22.00	2.0
See below for additional courses and credits that count toward degree completion						
Year 2 Quarter 6 Totals		44.0	55.0	214.5	313.50	28.5
Quarter 7		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic		
CLPR 6060	Clinical Practice III ¹	22.0			22.00	2.0
CLPR 6060L	Clinical Practice Skills Lab III ¹	22.0			22.00	2.0
GNMD 6044	Gen Med Diagnosis IV			88.0	88.00	8.0
HMED 6010	Homeopathy I			22.0	22.00	2.0
OMND 6040	Oriental Med IV: Meridians & Points II			16.5	16.50	1.5
OMND 6040L	Oriental Med IV: Meridians & Points II Lab		11.0		11.00	1.0
PHAR 6030	Pharmacology and Pharmacotherapeutics III			33.0	33.00	3.0
PHMD 6054	Physical Med V: Principles of Hydrotherapy			11.0	11.00	1.0
PHMD 6054L	Physical Med V: Principles of Hydrotherapy Lab		22.0		22.00	2.0
CLTR 4304	Clinic Entry Skills Assessment ¹	16.5			16.50	1.5
See below for additional courses and credits that count toward degree completion						
Year 2 Quarter 7 Totals		60.5	33.0	170.5	264.00	24.0
Quarter 8		Contact Hours			Total Contact Hours	Total Credit Hours
Course #	Course Title	Clinic	Lab	Didactic		
CAPS 6024	NPLEX I Review (weeks 1-3)			60.0	60.00	6.0
MNGT 6010	Practice Management I: Operations (weekend intensive) (Fall entry only) OR			11.0	11.00	1.0
MNGT 7020	Practice Management II: Marketing (weekend intensive) (Spring entry only)			11.0	11.00	1.0
GNMP 6011	Gen Med Practice: Dermatology (weeks 4-11)			11.0	11.00	1.0
GNMP 6014	Gen Med Practice: EENT (weeks 4-11)			22.0	22.00	2.0
PSYC 6024	Mind Body Med: Intro to Medical Psychotherapy (weeks 4-11)			16.5	16.50	1.5
PHMD 6040	Physical Med IV: Physiotherapy Modalities (weeks 4-11)			11.0	11.00	1.0
PHMD 6040L	Physical Med IV: Physiotherapy Modalities Lab (weeks 4-11)		11.0		11.00	1.0
OMND 7060	Oriental Med VI: Acupuncture Techniques (weeks 4-11)			11.0	11.00	1.0
OMND 7060L	Oriental Med VI: Acupuncture Techniques Lab (weeks 4-11)		11.0		11.00	1.0
See below for additional courses and credits that count toward degree completion						
Year 2 Quarter 8 Totals		0.0	22.0	142.5	164.50	9.5
Grand Totals - Year 2		148.5	132.0	753.0	1,033.50	88.5

Program of Study - Year Three

Quarter 9 Fall 2019-2020/Spring 2019-2020

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
BOTM 7030	Botanical Med III: Nat Mat Med Pharm & Ther I			22.0	22.00	2.0
GNMP 7020	Gen Med Practice: Gastroenterology			27.5	27.50	2.5
GYNE 7010	Gynecology I			33.0	33.00	3.0
HMEQ 7020	Homeopathy II			22.0	22.00	2.0
NUTR 7034	Nutrition III			27.5	27.50	2.5
OMND 7057	Oriental Med V: TCM Pathology			44.0	44.00	4.0
MNGT 7030	Practice Management III: Leadership (weekend intensive) (Spring entry only)			11.0	11.00	1.0
CLTR 7000	Clinical Clerkships (2) ²	88.0			88.00	8.0
See below for additional courses and credits that count toward degree completion						
Year 3 Quarter 9 Totals		88.0	0.0	187.0	275.00	25.0

Quarter 10 Winter 2019-2020/Summer 2019-2020

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
BOTM 7044	Botanical Med IV: Nat Mat Med Pharm & Ther II			27.5	27.50	2.5
GNMP 7030	Gen Med Practice: Endocrinology			27.5	27.50	2.5
GNMP 7031	Gen Med Practice: Hematology			11.0	11.00	1.0
GYNE 7020L	Gynecology Lab (may be taken in Qtr 10 or Qtr 11)		22.0		22.00	2.0
HMEQ 7030	Homeopathy III			22.0	22.00	2.0
MNGT 7020	Practice Management II: Marketing (weekend intensive) (Fall entry only)			11.0	11.00	1.0
MSRG 7010	Minor Surgery I			16.5	16.50	1.5
MSRG 7010L	Minor Surgery I Lab		11.0		11.00	1.0
OBST 7010	Obstetrics			27.5	27.50	2.5
OMND 7070	Oriental Med VII: Case Analysis and Management I			22.0	22.00	2.0
NUTR 7044	Nutrition IV			22.0	22.00	2.0
CLTR 7000	Clinical Clerkships (2) ²	88.0			88.00	8.0
See below for additional courses and credits that count toward degree completion						
Year 3 Quarter 10 Totals		88.0	33.0	187.0	308.00	28.0

Quarter 11 Spring 2019-2020/Fall 2020-2021

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
BOTM 7050	Botanical Med V: Nat Mat Med Pharm & Ther III			22.0	22.00	2.0
GNMP 7040	Gen Med Practice: Cardio/Vasc Med			16.5	16.50	1.5
HMEQ 7040	Homeopathy IV			22.0	22.00	2.0
MNGT 7030	Practice Management III: Leadership (weekend intensive) (Fall entry only)			11.0	11.00	1.0
PSYC 7034	Mind Body Med: Affect Psychotherapy /Crisis Intervention			22.0	22.00	2.0
OMND 7084	Oriental Med VIII: Case Analysis and Management II			22.0	22.00	2.0
PEDS 7010	Pediatrics I			22.0	22.00	2.0
CLTR 7000	Clinical Clerkships (2) ²	88.0			88.00	8.0
CLTR 4504	Comprehensive Clinical Skills Assessment I ¹	22.0			22.00	2.0
See below for additional courses and credits that count toward degree completion						
Year 3 Quarter 11 Totals		110.0	0.0	137.5	247.50	22.5

Quarter 12 Summer 2019-2020/Winter 2020-2021

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
PEDS 8020	Pediatrics II			22.0	22.00	2.0
ERMD 8014	Emergency Medicine			33.0	33.00	3.0
GNMP 7041	Gen Med Practice: Pulmonology			16.5	16.50	1.5
CLTR 7000	Clinical Clerkships (5) ²	220.0			220.00	20.0
See below for additional courses and credits that count toward degree completion						
Year 3 Quarter 12 Totals		220.0	0.0	71.5	291.50	26.5

Grand Totals - Year 3 506.0 33.0 561.0 1,100.00 100.0

Program of Study - Year Four

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
GNMP 8050	Gen Med Practice: Rheumatology			22.0	22.00	2.00
GNMP 8051	Gen Med Practice: Muscul / Ortho			11.0	11.00	1.00
PSYC 8040	Mind Body Med: Medical Mgmt of Addiction			16.5	16.50	1.50
MNGT 8040	Practice Management IV: Administration (weekend intensive) (Spring entry only)			11.0	11.00	1.00
MSRG 8020	Minor Surgery II			11.0	11.00	1.00
MSRG 8020L	Minor Surgery Lab II		11.0		11.00	1.00
CLTR 8000	Clinical Clerkships (5) ²	220.0			220.00	20.00
See below for additional courses and credits that count toward degree completion						
Year 4 Quarter 13 Totals		220.0	11.0	71.5	302.50	27.50

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
GNMP 8060	Gen Med Practice: Neurology			22.0	22.00	2.00
GNMP 8061	Gen Med Practice: Oncology			16.5	16.50	1.50
CLTR 8000	Clinical Clerkships (5) ²	220.0			220.00	20.00
CLTR 4904	Comprehensive Clinical Skills Assessment II ¹	22.0			22.00	2.00
See below for additional courses and credits that count toward degree completion						
Year 4 Quarter 14 Totals		242.0	0.0	38.5	280.50	25.50

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
CAPS 8034	NPLEX II Review (weeks 1-11)			60.0	60.00	6.00
GNMP 8070	Gen Med Practice: Urology / Kidney / Male (weeks 1-8)			16.5	16.50	1.50
GNMP 8076	Gen Med Practice: Geriatrics (weeks 1-8)			22.0	22.00	2.00
GNMP 8074	Gen Med Practice: Men's Health (weeks 1-8)			11.0	11.00	1.00
MNGT 8040	Practice Management IV: Administration (weekend intensive)(Fall entry only)			11.0	11.00	1.00
CLTR 8000	Clinical Clerkships (5) ² (weeks 1-11)	220.0			220.00	20.00
See below for additional courses and credits that count toward degree completion						
Year 4 Quarter 15 Totals		220.0	0.0	120.5	340.50	25.50

Course #	Course Title	Contact Hours			Total Contact Hours	Total Credit Hours
		Clinic	Lab	Didactic		
TBD	Didactic Selectives*			132.0	132.00	12.00
CLTR 6600	Lab Post ^{1**} (may take in Qtrs 4-8)	11.0			11.00	1.00
CLTR 6704	Medicinary/IV Post ^{1**} (may take in Qtrs 4-8)	11.0			11.00	1.00
CLTR 6004	Field Observation ² (may take in Qtrs 4-8)	44.0			44.00	4.00
CLTR 6100	Break Rotation ^{2***} (may take in Quarters 9-15)	44.0			44.00	4.00
Totals		110.0	0.0	132.0	242.00	22.00

Grand Totals - Year 4 792.0 11.0 351.5 1,154.50 99.5

Grand Totals (all four years)		Clinic	Lab	Didactic	Total
Credit Hours		143.50	31.00	215.50	390.00
Contact Hours		1,578.50	341.00	2,490.50	4,410.00

CNME Requirement Grand Total (all four years)		Clinic
Clerkship Credits		112.00
Clerkship Contact Hours		1,232.00

*The 12 -20 total credit hours of didactic selectives must be taken
 ** The lab post and medicinary/IV posts may be taken in Qtrs 4-8
 ***The 4 credit break rotation can be taken in Qtrs 9-15
¹ These hours do not count toward the 1200 clock hours of clinical training required by CNME.
² These hours count toward the 1200 clock hours of clinical training required by CNME.

Course Descriptions

5-year track) which allow students to gain early clinical experiences prior to beginning their clinical clerkships. Students are required to document 44 hours of observation and 40 patient contacts in the following categories: direct patient, indirect patient, and patient services/practice management.

Prerequisites: completion of quarters 1-3; including CLPR 5010 or 5030, and the successful completion of the Jurisprudence exam required for attainment of a clinical training certificate from the Arizona Naturopathic Physicians Medical Board (NPMB) (see program of study for additional eligibility requirements for the 5-year track)

CLTR 6600 Laboratory Post

(Clinical 1 credit)

The laboratory post is an immersion course designed to introduce students to the SCNM Medical Center procedures with a focus on laboratory functions. Students will build an understanding of the requirements to set up a laboratory; compliance with OSHA, HIPAA, and CLIA; and laboratory billing, insurance filing, accurate coding, and interpreting lab results. Students will enhance their skills in phlebotomy and capillary collection, specimen processing, and performing waived testing.

Prerequisites: completion of quarters 1-3 (see program of study for additional eligibility requirements for the 5-year track); valid OSHA and HIPAA certifications

CLTR 6704 Medicinary/IV Post

(Clinical 1 credit)

During the medicinary post, students gain a foundation for understanding the mechanics of a natural medicinary. The skills of maintaining the day-to-day functions include ordering, receiving, pricing, stocking, and shipping of products. Other experiences include blending botanical tinctures and/or dried herbs, mixing IV ingredients, answering phones, and taking verbal prescriptions.

Prerequisites: completion of quarters 1-3 (see program of study for additional eligibility requirements for the 5-year track)

CLTR 7000, 8000 Clinical Clerkships

(Clinical 4 credits per clerkship)

Clinical clerkships provide the student with practical clinical exposure, information, and additional medical knowledge in a clinical setting focusing on primary care medicine. Students will demonstrate skills in history taking and physical examinations,

become skilled at differentiating between common medical conditions, and develop basic plans of treatment consistent with the principles of the naturopathic therapeutic order. Clerkships are completed at the SCNM Medical Center and extended clinical sites staffed by SCNM faculty. Also, the student will have an opportunity to work with private physicians.

Prerequisites: for CLTR 7000, passing score on Clinic Entry Exam and, for 4-year track, completion of quarters 1-8; for 5-year track, completion of quarters 1-12; for CLTR 8000, passing score on Primary Status Exam and, for 4-year track, completion of quarters 1-12; for 5-year track, completion of quarters 1-16

ENVM 6010 Environmental Medicine

(Didactic 2.5 credits)

The course will begin with the major families of chemical toxins, then will be divided into those whose primary routes of exposure are via indoor air, outdoor air, and food. Within each chemical family the main health effects will be covered along with methods of testing. Biotransformation will then be addressed along with genetic polymorphisms in those pathways and nutrient impact. Cellular and systemic effects of toxins will then be covered to not only show the classic presentations, but also the biochemical mechanisms for their effects. The classic presentation of environmental illness will be covered along with taking an environmental history. The course will be rounded out with methods of treatments.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

ERMD 8014 Emergency Medicine

(Didactic 3 credits)

This course provides students with experiences to differentially diagnose signs, symptoms, and situations in acute medical care. Students learn to recognize emergency signs and situations involving various organ systems. Emphasis is on the integration of current allopathic drugs and procedures and the complementary practice of acute care by naturopathic physicians.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMD 6014 General Medical Diagnosis I

(Didactic 7 credits)

General Medical Diagnosis will be taught in a systems-based block format with integrated course content. Pathology will be aligned with instruction in clinical, physical, radiological, and

Course Descriptions

laboratory diagnosis. This course will begin with the general study of cell injury, inflammation, tissue repair, neoplasia, and principles of diagnostic imaging. Hematology and dermatology will follow with integrated course content.

Prerequisites: completion of CAPS 5014 and all previous quarters' courses as outlined in students' prescribed program of study

GNMD 6024 General Medical Diagnosis II

(Didactic 9 credits)

General Medical Diagnosis will be taught in a systems-based block format with integrated course content. Pathology will be aligned with instruction in clinical, physical, radiological, and laboratory diagnosis. This course will include EENT, endocrinology, male and female reproductive disorders, and musculoskeletal disorders. Naturopathic strategies for diagnosis will be included.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMD 6034 General Medical Diagnosis III

(Didactic 9 credits)

General Medical Diagnosis will be taught in a systems-based block format with integrated course content. Pathology will be aligned with instruction in clinical, physical, radiological, and laboratory diagnosis. This course will include cardiovascular, respiratory, and urinary disorders, and behavioral health.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMD 6044 General Medical Diagnosis IV

(Didactic 8 credits)

General Medical Diagnosis will be taught in a systems-based block format with integrated course content. Pathology will be aligned with instruction in clinical, physical, radiological, and laboratory diagnosis. This course will include gastrointestinal and neurological disorders. Naturopathic strategies for diagnosis will be included.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMP 6011 General Medical Practice: Dermatology

(Didactic 1 credit)

The clinical presentations discussed in the course include malignancies and benign masses, infections and inflammation, burns, hair and nail disorders, pruritus, skin ulcers, and skin rashes.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMP 6014 General Medical Practice: Eyes, Ears, Nose, and Throat (EENT)

(Didactic 2 credits)

This course provides an introductory exploration of common and high-risk EENT conditions seen in general naturopathic practice. Symptoms, assessment, diagnosis, and therapeutic considerations will be examined.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMP 7020 General Medical Practice: Gastroenterology

(Didactic 2.5 credits)

This course is a comprehensive study of the gastrointestinal tract. Students will gain an understanding regarding the pathophysiology, diagnosis, clinical presentation, management of emergent situations, and standard and naturopathic treatment of conditions of the esophagus, stomach, pancreas, gallbladder, liver, small intestine, large intestine, rectum, and anus, as well as beneficial bacteria and pathogens found in the gut. Student competency will be assessed through examination and literature analysis of emergent topics in gastroenterology.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMP 7030 General Medical Practice: Endocrinology

(Didactic 2.5 credits)

This course focuses on the complex interactions of the human hormonal system, including the causes and effects of hormonal imbalance and dysregulation. Principles and methods of naturopathic endocrinology are discussed, including functional assessments, prevention of disease, and restoration of endocrine function, as well as hormone replacement protocols. Class instruction will focus on basic patient management of the most common endocrine disorders seen in a general medical practice, including the appropriate use of prescription hormones and complementary therapeutics.

Prerequisites: completion of all previous quarters' courses as outlined in students' prescribed program of study

GNMP 7031 General Medical Practice: Hematology

(Didactic 1 credit)

The clinical presentations discussed in this course include different types of anemia and leukemia, Hodgkin's and non-Hodgkin's lymphomas, myeloproliferative disorders, plasma cell dyscrasias, and clotting disorders. It will provide students with current guidance on the diagnosis and naturopathic treatment of blood diseases and on consultative problems in hematology.

Course Syllabus

Course Title :

Course Prefix :	RDDX 650
Course Title:	Dx Tech and Assessment I
Credit Hours:	2
Term:	Summer, 2011
Course Start Date:	July 25, 2011
:Course End Date:	September 17, 2011
Prerequisites:	None
Course Location/Times:	Thursdays, 9:30 to 11:50am, Rm A2
:Required Text:	None
Recommended Text:	Clinical Radiology: The Essentials, by R.H. Daffner, M.D., Lippincott Williams & Wilkins, 1998.

Recommended Study Aids

Electronic Resources

A web site will be found for this course on Jenzabar. The course is listed under its course number: RDDX 650. All students enrolled in this course will be **REQUIRED** to enroll in the course on Jenzabar and to periodically monitor this web site. This web site will be used to make official announcements regarding the course. It is the individual student's responsibility to check for those announcements. **Lecture notes and final grades will be made available to students on Jenzabar.**

Instructor's Name:	Dr. C.B.G. Campbell
Telephone:	480-858-9100ext. 326 (campus) 210-316-6087 (mobile)
SCNM E-mail Address:	b.campbell@scnm.edu
Availability:	Wednesdays, Noon to 2:00pm

Biography:

Campbell, C.B.G. (Boyd) Professor of Anatomy. Dr. Campbell received his B.S., M.S. (bacteriology), M.D., and Ph.D. (anatomy) from the University of Illinois. He completed a straight surgical internship at Rush-Presbyterian-St. Luke's Medical Center in Chicago. He has had residency training in neurology, neurosurgery, and radiology (emphasis on neuroradiology) He was resident physician in charge of the CT scanner at Children's Hospital of Los Angeles for six months. He has been the career U.S. Army research neurologist assigned to the Walter Reed Army Institute of Research and retired with the rank of Colonel. He has been a member of the faculty of Indiana University (tenured), the California Institute of Technology, the University of Maryland, Georgetown University School of Medicine, the University of California, Irvine College of Medicine, Keck School of Medicine of the University of Southern California, the Uniformed Services University of the Health Sciences, and the University of Puerto Rico School of Medicine where he was director of the Department of Anatomy and the chair of the Graduate Committee (their equivalent of Dean of the Graduate School at that time). A recent publication of the National Academy of Sciences lists him as one of the most distinguished neuroscientists of the recent past (implying that he must be dead by now).

Course Description : This course will cover basic radiographic positioning and techniques for the spine and extremities. The most common diseases and abnormalities of the spine and extremities will be emphasized. The student will learn how to interpret basic radiographs of the spine and extremities. The course will consist of power point presentations of various radiographs illustrating both normal anatomical structures and abnormal structure and disease states. Student participation in the description and discussion of selected radiographs will be emphasized.

Course Format and Summary

One two hour lecture is scheduled per week. Lectures on powerpoint will be placed on Jenzabar. Students may be asked to participate actively during case presentations.

Course Objectives:

At the conclusion of this course students will be able to attain these goals:

- 1.) recognize normal radiographic structures of the spine and extremities(at at least the 70% level).
- 2.) recognize the radiographic identity of several common skeletal and systemic diseases which affect the spine and extremities (at least the 70% level).
- 3.) demonstrate a basic knowledge of what radiographs are and how they are produced for medical purposes (at at least the 70% level).

Students will demonstrate their abilities in this regard by completing two online examinations and a series of weekly quizzes given by the instructor .

Principles of Naturopathic Medicine Incorporated into this Course:

1. Primum Non Nocere – As radiation can be a potential source of harm, only such studies as are necessary should be ordered.
2. Docere – Physicians may have to explain the nature of these diagnostic studies to their patients, as well as what kinds of information are provided by them.

ASSIGNMENTS	READINGS	DUE	POINTS
Week 1 How Radiographs are made Positioning Basic Principles of Skeletal Radiology: Spine			
Week 2 Basic Principles of Skeletal Radiology: Spine Cases			
Week 3 Basic Principles of Skeletal Radiology: Spine and Extremities			

Cases			
Week 4 Midterm Examination (Online) Basic Principles of Skeletal Radiology: Extremities Cases			40%
Week 5 Arthritis Tumors and Infections Cases			
Week 6 Anomalies and Defects of the Spine and Extremities Cases			
Week 7 Endocrine and Metabolic Disorders of the Spine and Extremities Cases			
Week 8 Final Exam Week (Online Examination)			50%
Subtotal	(90%)	Weekly Quizzes (10%)	Total 100%

Attendance

Attendance will be taken. 80% attendance is expected at all of the lectures. Absences beyond 20% will need to be justified to the instructor on the basis of illness or family or other emergency. Unexcused absences beyond 20% will affect the student's final grade. Weekly online quizzes will be administered.

Academic Honesty

Academic honesty is highly valued at SCNM. A student must always submit work that represents his or her original words or ideas. If any words or ideas are used that do not represent the student's original words or ideas, the student must cite all relevant sources both in the text and in the references listing at the end of the paper. The student should also make clear the extent to which such sources were used. Words or ideas that require citations include, but are not limited to, all hardcopy or electronic publications, whether copyrighted or not, and all verbal or visual

communication when the content of such communication clearly originates from an identifiable source.

Academic dishonesty could involve:

- Having a tutor or friend complete a portion of your assignments
- Having a reviewer make extensive revisions to an assignment
- Copying work submitted by another student
- Using information from online information services without proper citation
- Taking exam answers from another student's paper
- Utilizing materials not allowed to answer exam questions

Grading Formula

There will be a midterm worth 40% of the final term grade and a final exam worth 50%. Weekly quizzes worth 10% of the term grade will also be administered. The exams will consist of written questions, radiographic identification and diagnosis.

<i>Grade</i>	<i>Percentage</i>
A	90% or above
B	89-80%
C	79-70%
F	69% and below

NPLEX: (You may refer to the appropriate pages from the blue print)

COURSE SYLLABUS APPROVED BY:



July 23, 2011

Instructor

Date

Department Chair

Date

Dean of Medical Education

Date

Course Syllabus Course Title : Diagnostic Technique & Assessment II

Course Prefix : RDDX 710
Course Title: Diagnostic Technique and Assessment (Radiology) II
Credit Hours: 2
Term: Fall 2011
Course Start Date: October 3, 2011
Course End Date: December 22, 2011
Prerequisites: RDDX650
Course Location/Times: Thursday, 1:00-3:00 PM, Rm. A3
Required Text: None

Recommended Text: Clinical Radiology: The Essentials, by R.H. Daffner, M.D., Lippincott Williams & Wilkins, 1998.

Squire's Fundamentals of Radiology by R.A. Novelline, Harvard U Press, 2004.

Recommended Study None

Aids

Electronic Resources: A web site will be found for this course on MySCNM. The course is listed under its course number: RDDX 710. All students enrolled in this course will be REQUIRED to enroll in the course on MySCNM and to periodically monitor this web site. This web site will be used to make official announcements regarding the course, and examinations and weekly film unknowns may also be placed there. It is the individual student's responsibility to check for those announcements, etc. **Lecture notes and final grades will be made available to students on MySCNM.**

Instructor's Name: C. B. G. Campbell, M.D., Ph.D.

Telephone: 480-858-9100 ext. 326 (campus)

210-316-6087 (mobile)

SCNM E-mail Address: b.campbell@scnm.edu

Avallability: Monday, 12:00-2:00 PM

Biography

Campbell, C.B.G. (Boyd) Professor of Anatomy. Dr. Campbell received his B.S., M.S. (bacteriology), M.D., and Ph.D. (anatomy) from the University of Illinois. He completed a straight surgical internship at Rush-Presbyterian-St. Luke's Medical Center in Chicago. He has had residency training in neurology, neurosurgery, and radiology (emphasis on neuroradiology) He was resident physician in charge of the CT scanner at Children's Hospital of Los Angeles for six months. He has been the career U.S. Army research neurologist assigned to the Walter Reed

Army Institute of Research and retired with the rank of Colonel. He has been a member of the faculty of Indiana University (tenured); the University of California (Irvine); Keck School of Medicine, the University of Southern California; the California Institute of Technology; the University of Maryland; Georgetown University School of Medicine; the Uniformed Services University of the Health Sciences; and the University of Puerto Rico School of Medicine where he was director of the Department of Anatomy and chair of the graduate committee (their equivalent of dean of the graduate school at that time). At SCNM he has been interim chief academic officer (vice president for academic affairs) for six months and director of the division of basic medical sciences for several years. A recent publication of the National Academy of Sciences lists him as one of the most distinguished neuroscientists of the recent past (implying that he must be dead by now).

Course Description

This course will familiarize the student with the essentials of plain film radiography. Concentration will be on chest and abdominal radiographs. An overview of these studies will be presented and emphasis will be placed on understanding clinical indications, safety profiles, and basic interpretation of these examinations. Students will be required to attempt to interpret a radiographic case unknown approximately weekly.

Course Format and Summary

One two hour lecture is scheduled per week. Lectures on powerpoint will be placed on Jenzabar. Students may be asked to participate actively during case presentations.

Student Evaluations

A midterm examination will be given, and a final examination that is comprehensive will be given during final week. Examinations are given online. The weekly (more or less) case unknowns will count 10% of the final grade.

Course Objectives

At the conclusion of this course students in the course will be able to (at a 70% or better level of success):

- 1.order the appropriate radiology study (among those mentioned above) for particular common clinical indications.
- 2.be able to describe how images are generated in each of the radiology studies mentioned above.
- 3.describe the risks and benefits of the studies mentioned above.
- 4.read reports from the studies mentioned above and know the meaning of the terminology used.

They will be able to do these things on an examination and be measured by that examination as administered by the instructor.

Principles of Naturopathic Medicine Incorporated Into this Course:

1. Primum Non Nocere – As radiation can be a potential source of harm, only such studies as are necessary should be ordered.
2. Docere – Physicians may have to explain the nature of these diagnostic studies to their patients, as well as what kinds of information are provided by them.

ASSIGNMENTS	READINGS	% OF GRADE	
Week 1 Course introduction and basics			
Week 2 Introduction to chest radiography I			
Week 3 Introduction to chest radiography II			
Week 4 Introduction to abdominal radiography I			
Week 5 Introduction to abdominal radiography II			
Quiz #1 online		40	
Week 6 Chest and abdominal cases			
Week 7 Fluoroscopy			
Week 8 Advanced chest and abdominal cases			
Week 9 Cases			
Weekly film unknowns		10	
Week 10 Study Week			
Week 11 Final Exam Week: Online Final Exam		50	

Attendance

Attendance is expected at all of the lectures. Absences will need to be justified to the instructor on the basis of illness or family or other emergency.

Academic Honesty

Academic honesty is highly valued at SCNM. A student must always submit work that represents his or her original words or ideas. If any words or ideas are used that do not represent the student's original words or ideas, the student must cite all relevant sources both in the text and in the references listed at the end of the paper. The student should also make clear the extent to which such sources were used. Words or ideas that require citations include, but are not limited to, all hardcopy or electronic publications, whether copyrighted or not, and all verbal or visual communication when the content of such communication clearly originates from an identifiable source.

Academic dishonesty could involve:

- Having a tutor or friend complete a portion of your assignments
- Having a reviewer make extensive revisions to an assignment
- Copying work submitted by another student
- Using information from online information services without proper citation
- Taking exam answers from another student's paper
- Utilizing materials not allowed to answer exam questions

Grading Formula

To make grading easier to calculate, the total number of points you can receive in this course is 100. The letter grade you will receive will directly relate to the points as indicated below.

<i>Grade</i>	<i>Percentage</i>
A	90% or above
B	75%-89%
C	70%-74%
F	69% and below

The instructor reserves the right to make exceptions to the policies or schedules outlined above if he considers it to be appropriate.

COURSE SYLLABUS APPROVED BY:

C. J. Campbell

October 2, 2011

Faculty Member

Date

Department Chairperson

Date

Dean of Medical Education

Date

Course Syllabus Course Title : Diagnostic Technique & Assessment III

Course Prefix : RDDX 730
Course Title: Diagnostic Technique and Assessment (Radiology) III
Credit Hours: 2
Term: Winter Quarter 2012
Course Start Date: January 9, 2012
Course End Date: March 31, 2012
Prerequisites: PATH 625, PHYS 615
Course Location/Times: Rm. 8, Wednesday, 1:00-2:50 PM
Required Text: None

Recommended Text: Clinical Radiology: The Essentials, by R.H. Daffner, M.D., Lippincott Williams & Wilkins, 3rd Ed., 2007.

Recommended Study Aids None

Aids

Electronic Resources: A web site will be found for this course on Jenzabar. The course is listed under its course number: RDDX 730. All students enrolled in this course will be REQUIRED to enroll in the course on Jenzabar and to periodically monitor this web site. This web site will be used to make official announcements regarding the course. It is the individual student's responsibility to check for those announcements. **Lecture notes and final grades will be made available to students on Jenzabar.**

Instructor's Name: C. B. G. Campbell, M.D., Ph.D.

Telephone: 480-858-9100 ext. 326 (campus)
210-316-6087 (cell)

SCNM E-mail Address: b.campbell@scnm.edu

Availability: Mondays and Wednesdays, Noon to 1:00PM, or by appointment

Biography

Campbell, C.B.G. (Boyd), Professor of Anatomy. Dr. Campbell received his B.S., M.S. (bacteriology), M.D., and Ph.D. (anatomy) from the University of Illinois. He completed a straight surgical internship at Rush-Presbyterian-St. Luke's Medical Center in Chicago. He has had residency training in neurology, neurosurgery, and radiology (emphasis on neuroradiology) He was Resident Physician in charge of the CT scanner at Children's Hospital of Los Angeles for six months. He has been the career U.S. Army research neurologist assigned to the Walter Reed Army Institute of Research and retired with the rank of colonel. He has been a member of the faculty of Indiana University (tenured), the California Institute of Technology, the University of Maryland, Georgetown University School of Medicine, the University of California, Irvine College of Medicine, Keck School of Medicine of the University of Southern California, the Uniformed Services University of the Health Sciences, and the University of Puerto Rico School of Medicine where he was director of the Department of Anatomy and the chair of the Graduate Committee

(their equivalent of Dean of the Graduate School at that time). At SCNM he has been interim chief academic officer (vice president for academic affairs) for six months, and director of the division of basic medical sciences for 4 years. A recent publication of the National Academy of Sciences lists him as one of the most distinguished neuroscientists of the recent past (implying that he must be dead by now).

Course Description

This is a course intended to introduce the student to computed tomography (CT), magnetic resonance imaging (MRI), positron emission tomography (PET), the combination of PET and CT, mammography, nuclear medicine and diagnostic ultrasound. Fundamentals of these radiographic techniques and visual interpretation of some common disorders will be presented.

Course Format and Summary

One two hour lecture is scheduled per week. Lectures on powerpoint will be placed on Jenzabar. Students may be asked to participate actively during case presentations.

Student Evaluations

A midterm online examination will be given and an online final examination that is comprehensive will be given during final week. Weekly in-class quizzes will also be administered.

Course Objectives

At the conclusion of this course students will be able to

1. order the appropriate radiology study (among those mentioned above) for particular common clinical indications with at least 70% accuracy on a written or online examination administered by the instructor.
2. be able to describe how images are generated in each of the radiology studies mentioned above with at least 70% accuracy on a written or online examination administered by the instructor.
3. describe the risks and benefits of the studies mentioned above with at least 70% accuracy on a written or online examination administered by the instructor.
4. read reports from the studies mentioned above and know the meaning of the terminology used with at least 70% accuracy on a written or online examination administered by the instructor.

Principles of Naturopathic Medicine Incorporated into this Course:

1. Primum Non Nocere – As radiation can be a potential source of harm, only such studies as are necessary should be ordered.
2. Docere – Physicians may have to explain the nature of these diagnostic studies to their patients, as well as what kinds of information are provided by them.

ASSIGNMENTS	READINGS	% OF GRADE	
Week 1 Computed Tomography (CT) – Basic			
Principles			
Week 2 Contrast Media			
Neuroradiology with CT			
Week 3 Examination of the chest			
Examination of the abdomen & pelvis			
Week 4 Study Week-No Classes			
Week 5 Examination of the GU and musculoskeletal system			
Introduction to MRI			
Week 6 Midterm examination (online)		40	
Neuroradiology			
Musculoskeletal system			
Week 7 Cardiac Imaging with MRI			
PET Scanning- Basic Principles			
Week 8 PET Scanning & PET/ CT–			
Cerebral			
Cardiac			
Week 9 Diagnostic Ultrasound			
The abdomen			
The pelvis			
Week 10 Mammography			
Week 11 Study Week-No Classes			
Week 12 Online Final Examination			
Online Final Examination		50	
Weekly Quizzes		10	

Attendance

Attendance is expected at 80% of the lectures. Absences beyond 20% will need to be justified on the basis of illness or family emergency.

Academic Honesty

Academic honesty is highly valued at SCNM. A student must always submit work that represents his or her original words or ideas. If any words or ideas are used that do not represent the student's original words or ideas, the student must cite all relevant sources both in the text and in the references listed at the end of the paper. The student should also make clear the extent to which such sources were used. Words or ideas that require citations include, but are not limited to, all hardcopy or electronic publications, whether copyrighted or not, and all verbal or visual communication when the content of such communication clearly originates from an identifiable source.

Academic dishonesty could involve:

- Having a tutor or friend complete a portion of your assignments
- Having a reviewer make extensive revisions to an assignment
- Copying work submitted by another student
- Using information from online information services without proper citation
- Taking exam answers from another student's paper
- Utilizing materials not allowed to answer exam questions

Grading Formula

To make grading easier to calculate, the total number of points you can receive in this course is 100. The letter grade you will receive will directly relate to the points as indicated below.

<i>Grade</i>	<i>Percentage</i>
A	90% or above
B	80%-89%
C	70%-79%
F	69% and below

The instructor reserves the right to make exceptions to the policies or schedules outlined above if he considers it to be appropriate.

COURSE SYLLABUS APPROVED BY:

CSG Campbell

January 7, 2012

Instructor

Date

Department Chairperson

Date

Dean of Medical Education

Date

Student Resources

SECTION 9

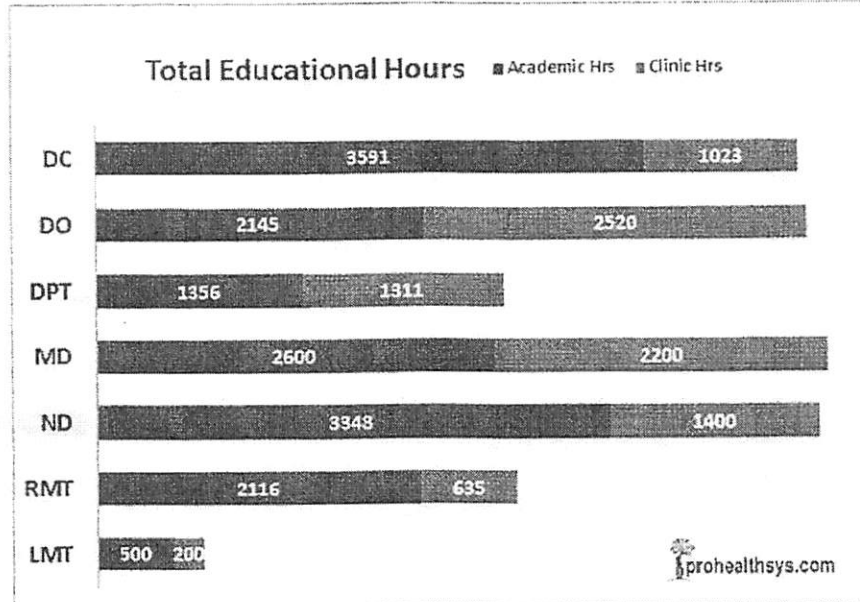
Home (<https://prohealthsys.com>) / Student Resources (<https://prohealthsys.com/students/>) / Professional Comparison

Professionals are listed in alphabetical order for DC, DO, DPT, MD, ND, RMT (doctor level degrees require a Bachelor's level or equivalent for entry into program) – hours show content of core curriculum at institutions and does not take into individual extra certification, continuing educational or residency hours.

Data can be independently verified and was collected from 2016 academic calendars among the top ranked programs in North America

- DC – Doctor of Chiropractic – (4614 hrs) University of Western States (<http://www.uws.edu/doctor-of-chiropractic/>)
- DO – Doctor of Osteopathy – (4600 hrs) Touro College of Osteopathic Medicine (<http://tourocom.touro.edu/>)
- DPT – Doctor of Physical Therapy – (2667 hrs) University of Southern California (<http://pt.usc.edu/Education/Programs/PhysicalTherapy/DPT/Curriculum/>)
- MD – Medical Doctor – (4800 hrs) Yale School of Medicine (<http://medicine.yale.edu/index.aspx>)
- ND – Naturopathic Doctor – (4748 hrs) Boucher Institute (<http://www.blnm.org/prospective-students/nd-program>)
- RMT – Registered Massage Therapist – (2751 hrs) Vancouver Career College (<http://www.vccollege.ca/i-ml-g-vancouver-career-college-2/registered-massage-therapy?gclid=CJ0ju5in47sCFY2DQgoddhcAig>)

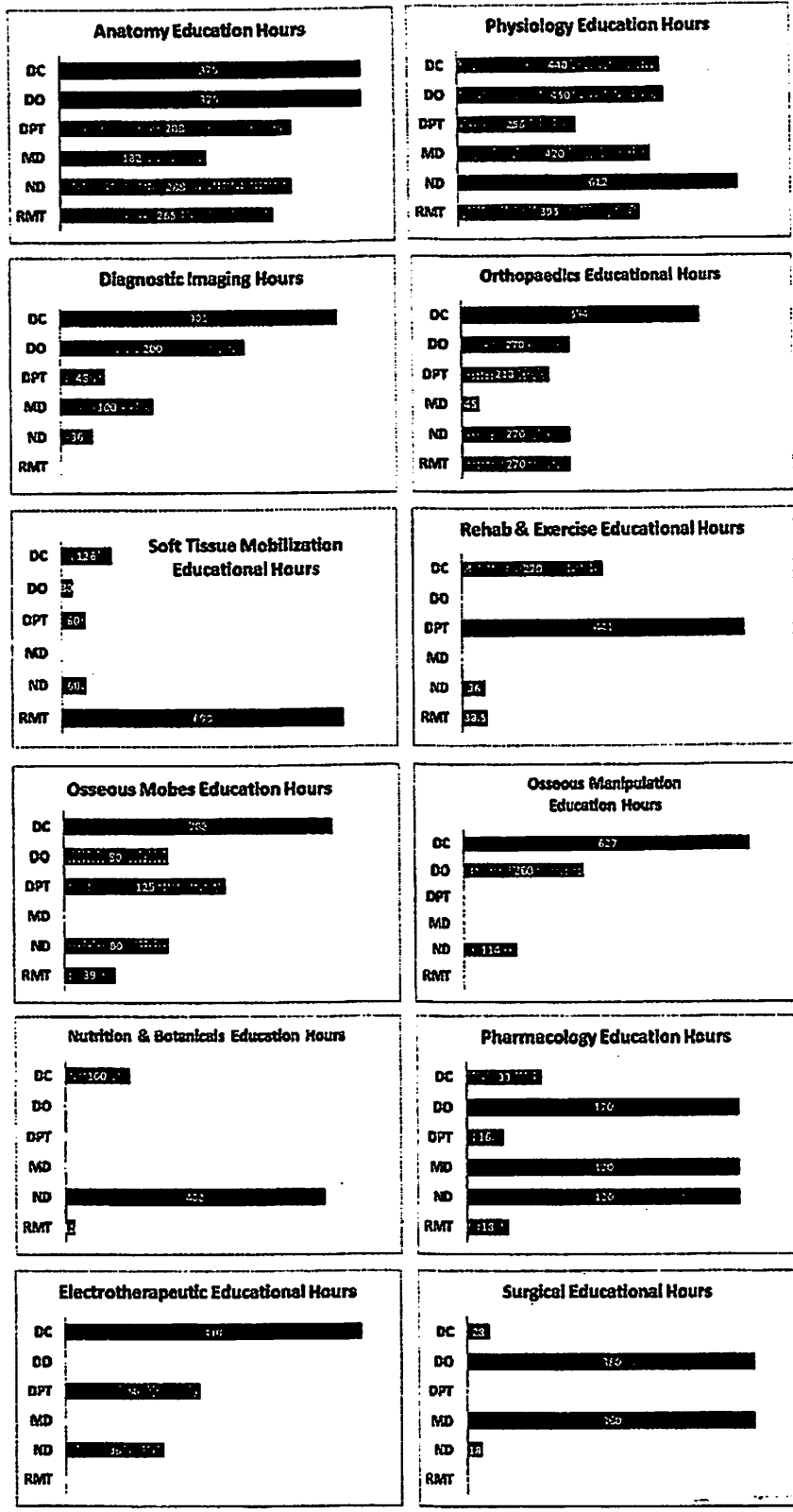
Specific programs at different institutions will vary; charts are provided for basic comparison and education priorities of each profession, and does not imply any one profession is 'better' than another. Please recognize that while education plays a role in practice style, the charts below do not take into consideration post graduate education, practice preference, clinical specialization or continuing education.



(<https://www.prohealthsys.com/central/>)

LMT – licensed massage therapist is a US designation with a large difference in basic educational requirements – 200-1000 hrs)

Break down by topic



(<https://www.prohealthsys.com/central/>)

DC = Doctor of Chiropractic, DPT = Doctor of Physical Therapy, DO = Doctor of Osteopathy, MD = Medical Doctor, ND = Naturopathic Doctor, PT = Physical Therapist, RMT = Registered Massage Therapist. (doctor level degrees require a Bachelor's level or equivalent for entry into program) – hours show content of core curriculum at institution and do not take into individual extra certification, continuing educational hours or practice time dedicated to each discipline.

5A

Naturopathic Profession Overview

Training

- Prerequisites
 - Four year-bachelor degree prior to matriculation
 - Minimum prerequisite courses
 - Biology, Organic Chemistry, Psychology, English, Humanities
 - GPA >3.0
- Naturopathic Program
 - Naturopathic Programs are accredited by NABNE
 - Four year in-residence
 - 4,100 minimum contact hours of instruction
 - 1,200 minimum contact hours for clinical training
 - Program of Study (attached)

Testing

- North American Board of Naturopathic Examiners
 - NPLEX Part 1 – Biomedical Sciences Examination
 - Taken after the second year of training
 - NPLEX Part 2 – Core Clinical Science Examination
 - Taken after graduation and upon passing NPLEX Part 1

Kansas

- 2002 – Passage of the Naturopathic Doctor Licensure Act
- Overview of KSA 65-7201 to 65-7218
 - Graduate of an accredited program and passing of NPLEX examinations
 - Naturopathic statues include
 - Prescribing, recommending or administering food, food extracts, vitamins, minerals, enzymes, whole gland thyroid, botanicals, homoepathic preparations, nonprescription drugs, plant substances not designated as prescription drugs or controlled substances
 - Health care counseling, nutritional counseling, dietary therapy, naturopathic physical applications, barrier contraceptive devices
 - Intramuscular or intravenous administration pursuant to a written protocol with a physician
 - Noninvasive physical examinations, venipuncture to obtain blood for clinical laboratory tests and orofacial examinations excluding endoscopies
 - Minor office procedures
 - Naturopathic acupuncture
 - Naturopathic statues preclude
 - Surgery, obstetrics or administration of ionizing radiation
 - Prescribe, dispense or administer any controlled substances.
- CME Required
 - 50 Continuing education hours required each year
 - 20 within professional supervised setting
 - 30 hours of non-supervised setting
- Professional Liability Insurance
 - According to K.A.R. 100-72-6, professional liability policy must be maintained that complies with a \$200,000 per claim, subject to an annual aggregate of not less than \$600,000.