

Academic Catalog

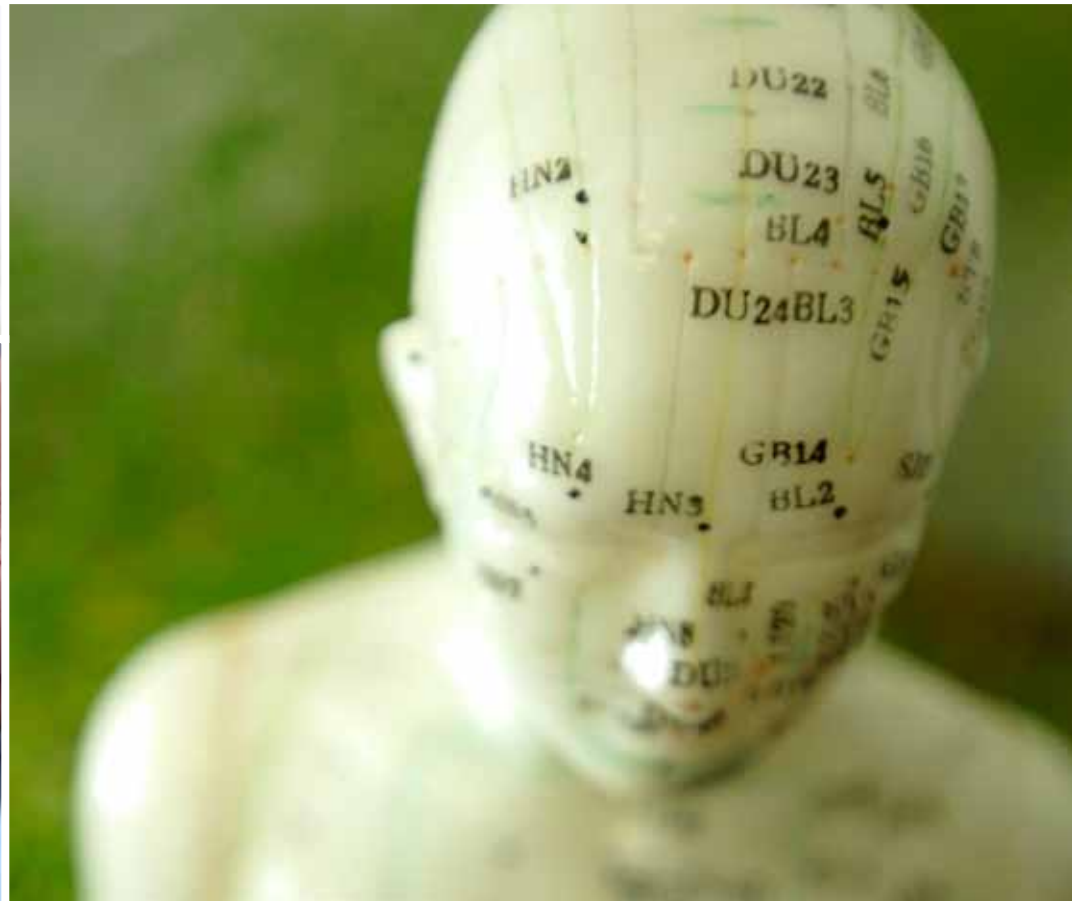


TABLE OF CONTENTS

About the New England School of Acupuncture.....	3
A Choice of Two Master’s Degree Programs	5
Admission to the Master’s Degree Programs	11
Tuition, Fees and Financial Aid.....	17
Facilities and Student Services	21
NESA Policies.....	24
NESA Academic Calendar.....	27
NESA Board of Trustees.....	27
NESA Faculty	28
Course Descriptions.....	45
Electives.....	60
Science Courses	63
Staff Listing	65



The New England School of Acupuncture (NESA), the oldest school of acupuncture and Oriental medicine in the United States, was founded in 1975 by the late master acupuncturist James Tin Yau So. Dr. So studied and practiced for decades in China and the Philippines before coming to this country. Through his pioneering work in founding NESA and developing some of the earliest textbook materials in the field, Dr. So has left a lasting legacy. He is considered by many to be the father of acupuncture and Oriental medical education in the United States.

NESA's professional acupuncture and Oriental medicine programs have broadened substantially over its thirty-five year history. The school now offers intensive three-year master's degree programs that include more than 1200 hours of hands-on clinical instruction in small groups, instruction in Western sciences and biomedicine, and a full year of clinical internships in acupuncture and Chinese herbal medicine. NESA students have opportunities to contribute to research projects and to assist in a variety of approved clinical settings. Along with graduates and practitioners, students may also take advantage of NESA's extensive continuing education seminars.

The depth and diversity of the NESA faculty make our master's degree programs a broad and comprehensive learning experience. The Oriental medicine faculty is composed of experienced practitioners, many of whom have completed advanced training in the United States, Asia and Europe. Western medicine courses are taught by physicians, researchers and other highly trained professionals. A number of NESA faculty members are renowned practitioners and scholars who publish and lecture widely.

NESA attracts a well-educated and highly motivated student population ranging in age from early twenties to mid sixties. Our students reflect many different educational and cultural backgrounds, careers and life experiences, yet share a deep commitment to the study and practice of acupuncture and Oriental medicine. This shared commitment creates a cohesive and supportive academic environment that contributes to a successful completion of a challenging course of study.

NESA's growth and the success of graduates have paralleled the growing acceptance of Oriental medicine in the United States. Over 1500 practitioners have graduated from NESA, many of whom have made significant contributions to the field. NESA alumni have:

- Established acupuncture clinics in hospitals, community health centers and extended care facilities;
- Participated in clinical research projects;
- Established a Boston-based AIDS Care Project, now Pathways to Wellness, and other acupuncture programs treating people with HIV and AIDS;
- Developed substance abuse and detoxification programs using acupuncture in Massachusetts and other states;
- Authored well-known texts in the field of Oriental medicine;
- Served on state acupuncture licensing boards;
- Served in leadership positions in state and national professional organizations;
- Founded acupuncture and Oriental medicine colleges; and
- Taught and lectured throughout the United States and internationally.

We take great pride in the individual accomplishments of our alumni and the high quality healthcare they provide for the communities in which they practice.

Accreditation

NESA is a not-for-profit, tax-exempt institution, authorized by the Massachusetts Department of Higher Education to grant a Master of Acupuncture (MAc) degree and a Master of Acupuncture and Oriental Medicine (MAOM) degree. Both degree programs are accredited by the Accreditation Commission for Acupuncture and Oriental Medicine (ACAOM), which is the recognized accrediting agency for the approval of programs preparing acupuncture and Oriental medicine practitioners. ACAOM is located at:

14502 Greenview
Drive Suite 300B
Laurel, MD 20708

Phone: (301) 313-0855
Fax: (301) 311-0912

Graduates of the MAOM program are eligible to sit for the CAB licensure exam.

Mission

The mission of the New England School of Acupuncture is to be a leader in the development of traditional and modern Oriental medicine as a medical art and science by offering outstanding, academically rigorous, professional programs; to educate practitioners to be effective, compassionate healers, capable of providing high-quality healthcare to the public and advancing knowledge in the field of Oriental medicine.

Educational Objectives

The New England School of Acupuncture's carefully designed programs graduate practitioners who:

- Are able to apply the philosophies and theories of acupuncture and Oriental medicine;
- Can promote wellness, diagnose illness, and develop and implement effective treatment plans for patients;
- Demonstrate knowledge of Western medical terminology, pathophysiology and approaches to treating illness and are able to make informed and appropriate referrals;
- Are prepared to set up and maintain clinical practices and can participate collaboratively in a variety of clinical settings; and
- Have an awareness and appreciation of research in Oriental medicine.

Beyond the professional master's degree programs, NESA is committed to:

- Providing students, alumni, practitioners, and faculty with opportunities for life long learning through an active and wide-ranging continuing education program;
- Encouraging and sponsoring scholarship and research in the field;
- Serving the public by offering accessible acupuncture and Chinese herbal medicine treatment at the NESA Clinic and at satellite locations; and
- Offering lectures and courses to the public.

A CHOICE OF TWO MASTER'S DEGREE PROGRAMS

The master's degree programs at NESA offer students the choice of pursuing specific areas of interest. All students complete Chinese Acupuncture Studies, the core curriculum. In addition, students may also choose to complete studies in the area of Japanese Acupuncture Styles, Chinese Herbal Medicine, Dual (both Japanese Acupuncture Styles and Chinese Herbal Medicine) or a joint program in Pain Management through Tufts University School of Medicine. NESA also offers elective courses to match a student's professional interests.

From the start, NESA's degree programs emphasize extensive, hands-on clinical training. NESA's philosophy is that theoretical material is best learned when taught in careful coordination with corresponding clinical practice and observation. The program culminates in supervised clinical internships, scheduled in a wide range of clinical settings. Regardless of which track a student selects, the opportunity to specialize gives NESA students a variety of tools to incorporate into their treatment, thereby enhancing their skills as a healthcare professional.

Core Curriculum

Chinese acupuncture is the foundation of the core curriculum, which is based on content currently taught in Traditional Chinese Medical colleges in China, expanded to meet the needs of modern day clinical practice. The NESA core curriculum, the Chinese Acupuncture Studies Track, provides comprehensive theoretical and practical training in Chinese acupuncture-traditional Chinese medical theory, acupuncture diagnosing and treatment methods, hands-on clinical skills, and clinical internship - as well as a foundation in Western sciences and biomedicine, nutrition, Oriental body work and research. Additionally, students study and link the Chinese classics to modern clinical practice.



CURRICULUM TRACKS

Chinese Acupuncture Studies Track (CAS)

Completion of the Chinese Acupuncture Studies Track, the core curriculum, prepares graduates to successfully practice all aspects of Chinese acupuncture. Please see “Core Curriculum” for further description of this track. Full-time students complete the CAS Track in a minimum of 33 months and earn the Master of Acupuncture degree (MAc).

Japanese Acupuncture Styles Track (JAS)

The Japanese Acupuncture Track is comprised of a five-course series in traditional and modern styles of Japanese acupuncture that are based upon classical theories of Oriental medicine. Japanese acupuncture relies on palpation skills and addresses both internal and structural imbalances. Full-time students complete the JAS Track in a minimum of 33 months and earn the Master of Acupuncture degree (MAc).

Chinese Herbal Medicine Track (CHM)

The Chinese Herbal Medicine Track provides extensive training in the use of traditional Chinese herbal pharmacopoeia and formulas. Internal Medicine courses enable students to apply this knowledge to specific disease conditions. During the clinical internship, student interns diagnose patients and develop treatment strategies, formulas, and evaluations under the supervision of NESA faculty. Full-time students complete the CHM Track in a minimum of 36 months and earn the Master of Acupuncture & Oriental Medicine degree (MAOM).

Dual Track (DUAL)

Students enrolled in the Dual Track fulfill all course requirements for both the Japanese Acupuncture Styles and the Chinese Herbal Medicine Tracks. Full-time students complete the Dual Track in a minimum of 36 months and earn the Master of Acupuncture & Oriental Medicine degree (MAOM).

Pain Management Track (PM)

This curriculum is structured so that students may choose any of the NESA track options in addition to pursuing a Certificate or Master of Science degree in Pain Research, Education and Policy (PREP) from Tufts University School of Medicine. Please see the TUSM website for further information on this curriculum <http://www.tufts.edu/med/education/phpd/msprep/index.html>.



OUTLINE FOR 2011-2014

Curriculum Outline for students entering NESA in the fall of 2011 and planning to graduate in 2014. All students complete the core curriculum: the Chinese Acupuncture Styles Track (CAS). In addition they may choose to study Japanese Acupuncture Styles (JAS Track), Chinese Herbal Medicine (CHM Track), Pain Management (PM Track) or a combination of tracks.

Master of Acupuncture (MAc):

CAS Track: Core Curriculum
 JAS Track: Core Curriculum and Japanese Acupuncture Styles

Master of Acupuncture and Oriental Medicine (MAOM):

CHM Track: Core Curriculum and Chinese Herbal Medicine
 Dual Track: Core Curriculum, JAS and CHM

Science Course Requirements	MAc CAS Track		MAc JAS Track		MAOM CHM Track		MAOM Dual Track	
	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
Human Anatomy & Physiology I †	45	3	45	3	45	3	45	3
Human Anatomy & Physiology II †	45	3	45	3	45	3	45	3
General Biology †	45	3	45	3	45	3	45	3
Psychology	45	3	45	3	45	3	45	3
General Chemistry	45	3	45	3	45	3	45	3
Organic Chemistry	45	3	45	3	45	3	45	3
Biochemistry	45	3	45	3	45	3	45	3
Microbiology with Lab	45	3	45	3	45	3	45	3
General Physics	45	3	45	3	45	3	45	3
<i>Total hours and credits</i>	405	27	405	27	405	27	405	27
Fall Term - First Year	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
Traditional Chinese Medical Theory I	60	4	60	4	60	4	60	4
Business Lab	7.5	0.5	7.5	0.5	7.5	0.5	7.5	0.5
Point Location I	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Materials and Methods of Traditional Chinese Medicine I	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Living Anatomy and Structural Analysis	45	3	45	3	45	3	45	3
History and Cultural Foundations of Chinese Medical Systems	30	2	30	2	30	2	30	2
Internal Exercise*	30	2	30	2	30	2	30	2
Clinical Assistantship I	30	1	30	1	30	1	30	1
<i>Total hours and credits</i>	277.5	17.5	277.5	17.5	277.5	17.5	277.5	17.5
Spring Term - First Year	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
Traditional Chinese Medical Theory II	60	4	60	4	60	4	60	4
Point Location II	37.5	2.5	37.5	2.5	37.5	2.5	37.5	3.5
Materials and Methods of Traditional Chinese Medicine II	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Diagnostic Skills of Traditional Chinese Medicine	30	2	30	2	30	2	30	2
Introduction to Chinese Herbal Medicine	30	2	30	2	30	2	30	2
Introduction to Japanese Acupuncture Styles	30	2	30	2	30	2	30	2
Clinical Assistantship II	30	1	30	1	30	1	30	1
<i>Total hours and credits</i>	255	16	255	16	255	16	255	16
Summer Term - First Year	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
JAS: Root Treatment Strategies I	--	--	30	2	--	--	30	2
CHM: Pharmacopoeia I	--	--	--	--	60	4	60	4
TCM Etiology & Pathology of Disease I	30	2	30	2	30	2	30	2
Actions & Effects of the Points & Channels I	30	2	30	2	30	2	30	2
Clinical Skills of Traditional Chinese Medicine	30	2	30	2	30	2	30	2
Microsystems of Acupuncture Treatment	30	2	30	2	30	2	30	2
Clinical Assistantship III	30	1	30	1	30	1	30	1
First Year Core Curriculum Comprehensive Exam	0	0	0	0	0	0	0	0
<i>Total hours and credits</i>	150	9	180	11	210	13	240	15

* May be completed during Fall or Spring Term of First Year

** Must be completed before beginning CHM Formulas II

† Students must either transfer in a lab from: Human A&P I, Human A&P II, General Biology, complete a lab at NESA

†† One of the MAOM Clinical Internships VI-X must be a CHM 1B Clinic (70 hours)

	MAc CAS Track		MAc JAS Track		MAOM CHM Track		MAOM Dual Track	
	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
Fall Term - Second Year								
JAS: Root Treatment Strategies II	--	--	37.5	2.5	--	--	37.5	2.5
CHM: Pharmacopoeia II	--	--	--	--	60	4	60	4
TCM Etiology & Pathology of Disease II	30	2	30	2	30	2	30	2
Actions & Effects of the Points & Channels II	15	1	15	1	15	1	15	1
Introduction to Chinese Acupuncture Clinical Internship I	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Western Medical Pathophysiology & Pharmacology I	30	2	30	2	30	2	30	2
Research I: Design & Evaluation OR Research II: Mentored Practicum	45	3	45	3	45	3	45	3
CHM: Dispensary Assistantship at NESA**	--	--	--	--	15	0.5	15	0.5
Clinical Assistantship IV	30	1	30	1	45	1.5	45	1
Elective (CAS track elective 1)	30	2	--	--	--	--	--	--
<i>Total hours and credits</i>	217.5	13.5	225	14	277.5	16.5	315	19
Spring Term - Second Year								
JAS: Local Treatments	--	--	37.5	2.5	--	--	37.5	2.5
CHM: Formulas I	--	--	--	--	60	4	60	4
TCM Etiology & Pathology of Disease III	30	2	30	2	30	2	30	2
Introduction to Chinese Acupuncture Clinical Internship II	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
CPR & Basic First Aid	7.5	0.5	7.5	0.5	7.5	0.5	7.5	0.5
Western Medical Pathophysiology & Pharmacology II	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Oriental Bodywork Therapy	30	2	30	2	30	2	30	2
Orthopedic Acupuncture	30	2	30	2	30	2	30	2
Clinical Assistantship V	30	1	30	1	45	1	45	1
Elective (CAS track elective 2)	30	2	--	--	--	--	--	--
Second Year Core Curriculum Comprehensive Exam	0	0	0	0	0	0	0	0
<i>Total hours and credits</i>	232.5	14.5	240	15	277.5	17	315	19.5
Summer Term - Second Year								
JAS: Introduction to Japanese Acupuncture Clinical Internship	--	--	30	2	--	--	30	2
CHM: Formulas II	--	--	--	--	60	4	60	4
CHM: Patent Medicine	--	--	--	--	30	2	30	2
Western Medical Pathophysiology & Pharmacology III	30	2	30	2	30	2	30	2
MAc Clinical Internship I, II & III (70 hours each)	210	7	210	7	--	--	--	--
MAOM Clinical Internship I & II (70 hours each)	--	--	--	--	140	4.6	140	4.6
Patient-Practitioner Relationship	45	3	45	3	45	3	45	3
Elective (CAS track elective 3; JAS track elective 1)	30	2	30	2	--	--	--	--
JAS Curriculum Comprehensive Exam	--	--	0	0	--	--	0	0
<i>Total hours and credits</i>	315	14	345	16	305	15.6	335	17.6
Fall Term - Third Year								
Shakujū	--	--	30	2	--	--	30	2
CHM: Internal Medicine I	--	--	--	--	60	4	60	4
CHM: Formula Writing	--	--	--	--	37.5	2.5	37.5	2.5
MAc Clinical Internship IV, V & VI (70 hours each)	210	7	210	7	--	--	--	--
MAOM Clinical Internship III, IV & V (70 hours each)	--	--	--	--	210	7	210	7
MAOM Clinical Internship CHM IA (30 hours)	--	--	--	--	30	1	30	1
Clinical Case Management I	30	2	30	2	30	2	30	2
Western Medical Pathophysiology & Pharmacology IV	37.5	2.5	37.5	2.5	37.5	2.5	37.5	2.5
Chinese Nutrition	15	1	15	1	15	1	15	1
Western Nutrition	15	1	15	1	15	1	15	1
Elective (CAS track elective 4; JAS track elective 2)	30	2	30	2	--	--	--	--
CHM Curriculum Comprehensive Exam	--	--	--	--	0	0	0	0
<i>Total hours and credits</i>	337.5	15.5	367.5	17.5	435	21	465	23
Spring Term - Third Year								
CHM: Internal Medicine II	--	--	--	--	60	4	60	4
MAc Clinical Internship VII, VIII & IX (70 hours each)	210	7	210	7	--	--	--	--
MAOM Clinical Internship VI, VII & VIII (70 hours each) ††	--	--	--	--	210	7	210	7
Clinical Case Management II	30	2	30	2	30	2	30	2
Practice Development & Business Management	45	3	45	3	45	3	45	3
Survey of Chinese Classic Medical Texts	30	2	30	2	30	2	30	2
Elective (CAS track elective 5; JAS track elective 3; CHM track elective 1)	30	2	30	2	30	2	--	--
<i>Total hours and credits</i>	345	16	345	16	405	20	375	18
Summer Term - Third Year								
CHM: Clinical Pharmacology	--	--	--	--	30	2	30	2
MAOM Clinical Internship IX & X (60 hours each)	--	--	--	--	120	4	120	4
Elective (CHM track elective 2)	--	--	--	--	30	2	--	--
<i>Total hours and credits</i>	0	0	0	0	180	8	150	6
TOTAL PROGRAM REQUIREMENTS								
	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS	HOURS	CREDITS
	2535	143	2640	150	3047.5	172.2	3152.5	179.2

Time Commitment

Students are matriculated in the NESAs program at the beginning of each fall or summer term. Classes are scheduled year-round at various times throughout the day and evening. Student interns may be required to continue internship during term breaks. The program is designed for both full-time or part-time study and requires substantial study outside of the classroom in addition to classroom participation. Full-time students in the Chinese or Japanese Acupuncture Tracks complete the program in a minimum of 33 months. Students in the Chinese Herbal Medicine, Dual or Pain Management Tracks do so in a minimum of 36 months. Part-time students will be required to complete the program within six years of matriculation.

The majority of NESAs classes are scheduled Monday through Thursday with clinical rotations Monday through Saturday. Occasionally, courses are scheduled on Fridays and weekends. The full-time course load varies each term, depending on the track and year in which the student is enrolled (see curriculum outline). During the first two years of the program, full-time students are required to complete clinical assistantship hours in addition to the regularly scheduled course work. In the third year of the program, clinical rotations are required each week in addition to regularly scheduled course work. Once in clinical internship, students are expected to have full-time availability and are scheduled for rotations as such.

Part-time Study

While NESAs curriculum has been primarily designed for full-time study, part-time options are also available. Part-time students must fulfill the degree requirements within six years of matriculation to complete in four, five or six years.

Since the curriculum has been designed as a coordinated whole, all students take courses in an established sequence and in specific combinations. Each part-time student meets periodically with his/her academic advisor who counsels the student on course selection and other issues related to the program.

Graduation requirements may change over time in response to changes in accreditation standards, state regulations and other factors. Part-time students are required to meet the graduation requirements in effect three years prior to their date of graduation, rather than those in effect at the time they began the program.

THE DEGREE OPTIONS

Master of Acupuncture (MAc):

Core Curriculum/Chinese Acupuncture Studies Track (CAS)
Core Curriculum and the Japanese Acupuncture Styles Track (JAS)
Core Curriculum and the Pain Management Track (PM)
Core Curriculum and the JAS and PM Tracks

Master of Acupuncture and Oriental Medicine (MAOM):

Core Curriculum and the Chinese Herbal Medicine Track (CHM)
Core Curriculum and the CHM and PM Tracks
Core Curriculum and the Dual Track (JAS and CHM)
Core Curriculum and the Dual and PM Tracks

Comprehensive Exams

Prior to completing the first and second year program requirements, students must pass comprehensive examinations. Students in the JAS, CHM or Dual Tracks must also pass the track-specific comprehensive examinations.

Elective Courses

Each term, NESAs offers elective courses on various topics related to acupuncture and Chinese herbal medicine. These have included such courses as: Acupuncture Treatment of Infertility; Acupuncture Treatment of Pregnancy Disorders; Research II: Mentored Practicum; Chronic Pain: A Multidisciplinary Approach; Shiatsu; and Introduction to Craniosacral Therapy. Students completing the Chinese Acupuncture Styles Track are required to complete ten credits of electives; students completing the Japanese Acupuncture Styles Track are required to complete six credits of elective courses; and students completing the Chinese Herbal Medicine Track are required to complete four credits of elective courses. Students completing the Dual Track or the Pain Management Track are not required to complete any elective courses.

Continuing Education and Postgraduate Studies

The NESAs Continuing Education Department offers a variety of seminars on a wide range of topics in acupuncture, Chinese herbal medicine, wellness and other healing arts. Presenters include NESAs faculty and renowned scholars and practitioners throughout the United States, Asia, and Europe. Although continuing education seminars are not a part of the master's degree curriculum, many NESAs students find that the information enriches their overall educational experiences.

Calculation of Credits and Hours

NESAs calculates academic credit for all its courses using the following ratios: one credit is equal to 15 hours of classroom study or 30 hours of clinical internship.

Admissions Requirements

Applicants to NESAs degree programs must have a baccalaureate level degree from an institution which is approved by the appropriate accrediting agency recognized by the U.S. Department of Education, possess basic computer literacy, and demonstrate:

- A genuine and thoughtful interest in the study and practice of acupuncture and/or Chinese herbal medicine;
- A record of a successful academic performance;
- The ability to successfully complete a rigorous academic program;
- Maturity and a commitment to ethical and caring professional behavior; and
- Strong interpersonal skills and the ability to relate well to others



Science Course Requirements

To qualify for full-time enrollment, NESA requires applicants to complete the following courses at NESA or transfer in credit from an institution which is approved by an appropriate accrediting agency recognized by the U.S. Department of Education. All courses must have a grade of "C" (70%) or higher to be eligible for credit transfer to NESA. Partial credit for multiple courses cannot be combined to meet one requirement.

- Human Anatomy and Physiology I and II*† 6 credits/90 hours
- Two of the following science courses:
 - General Biology*† 3 credits/45 hours
 - General Chemistry 3 credits/45 hours
 - Organic Chemistry 3 credits/45 hours
 - Biochemistry 3 credits/45 hours
 - General Physics 3 credits/45 hours
 - Microbiology 3 credits/45 hours

Because the NESA curriculum is demanding, we encourage students to complete as many of the required science courses as possible before entering the program. Completion of all of the science courses is a requirement of the program. Per the Massachusetts Committee on Acupuncture, applicants must have a laboratory course requirement for one of the following science courses: general biology, human physiology, or human anatomy. Applicants should contact the Admissions Department as early as possible to discuss plans for completing the science pre-requisites prior to commencing the master's program.

†Students must either transfer in a lab from Human A&P I, Human A&P II or General Biology, or complete a lab at NESA.

*For most applicants, Human Anatomy & Physiology I & II, General Biology and Microbiology must have been taken within the last ten calendar years to be eligible for transfer credit (For example: students entering in Fall 2011 cannot transfer in credit for courses taken prior to Fall 2001). Currently licensed and practicing medical doctors, naturopathic doctors, osteopathic doctors, nurse practitioners, physician assistants and registered nurses are able to transfer in credit for the above courses without limitations on date completed.

Application and Admissions Procedures

Prospective students are strongly encouraged to visit the school, observe classes, and receive an acupuncture treatment at the Clinic before applying. Please call ahead to arrange with the Admissions Department a convenient time for a visit. In addition, all applicants must have an admissions interview which is arranged once NESAs receives all application materials.

Applications for admission to the master's degree programs are considered on a rolling basis. NESAs offers applicants an early admissions option: applicants who apply by December 1st will receive an admissions in order to start the program in the summer. All other prospective students are encouraged to submit applications for admission by May 1st. Applications received after May 1st will be considered on a rolling basis, however applicants are advised that early completion of all application materials and procedures increase their chance of securing a position in the incoming class.

In compliance with the Family Educational Rights and Privacy Act (FERPA), enrolled students are allowed access to all documents submitted in support of their application for admission which have been maintained as part of their educational record, except those to which they have waived right of access. All application materials submitted become the property of NESAs.

Additional information about the application and admissions process may be found on the NESAs website at http://www.nesa.edu/apply_to_nesa.html. Questions regarding the application process may be directed to the Admissions Department.



International Applicants

International applicants are encouraged to begin the application process at least six months prior to the final application deadline. In addition to meeting the general requirements for admissions, international applicants must also meet additional requirements as outlined below.

NESA will issue a Department of Homeland Security (DHS) SEVIS Form I-20 to international students who are accepted into the program, and who have provided NESA with evidence (notarized bank statement or letter) of financial support for at least the first year of study and living expenses in the United States. As of September 1, 2004, each student issued an initial Form I-20 is required and responsible to pay a SEVIS I-901 fee (\$200) which is paid to SEVP (Student Exchange Visitor Program) and mandated by Congress. It is the student's responsibility to obtain an F1 Visa to study in the United States.

Transcript Translation

Evidence that the applicant has completed an undergraduate education must be submitted. Acceptable evidence includes copies of diplomas or certificates. Official transcripts of the applicant's academic record, including course titles and grades, with English translations validated by a recognized provider of educational translation services, (e.g. World Education Services and Center for Education Documentation) must be provided. The official translation and evaluation must clearly indicate hours and credits of courses, and that the education is equivalent to a U.S. Bachelor's degree.

English Language Competency

Applicants whose first language is not English must demonstrate proficiency in reading, writing and speaking English. NESA requires a minimum score of 550 on (paper-based test), 213 on (computer based test) and 79-80 on (internet-based test) with minimum scores of 22 and 26 in listening and speaking respectively. NESA requires a minimum score of 45 on the test of Spoken English (TSE). Please enter the New England School of Acupuncture code number (3655) to ensure the score report is sent to the appropriate office. Applicants scoring below NESA's minimum requirements will be encouraged to take special courses in English and reapply.

International students who hold a degree from a United States university or from a country in which English is the language of instruction may not be required to take the TOEFL to be accepted to the master's program. All applicants must check with the state licensing requirements regarding TOEFL tests scores required for licensure. Information about testing dates and fees may be obtained from the TOEFL website www.ets.org/toefl.

Transfer Students

Up to one academic year's worth of credit (43 credits) may be transferred from another ACAOM accredited acupuncture school. All transfer students will be required to complete the final two academic years of their acupuncture and/or Oriental medicine education at NESAs. Clinical assistantship credit is transferable but clinical internship credit is not.

Placement exams may also be required to assess competency in transferred courses. In some cases, transfer students are required to begin their study at NESAs with tutorials or first year courses which were not completed elsewhere.

To be eligible for transfer credit, a course must be passed with a grade of 70% or better, cover equivalent content, and have the same (or a greater) number of hours as the NESAs course.

Registered Nurses

Registered nurses who have graduated from a three-year nursing program with a BSN are eligible for admission.

Course Exemption

Students who are able to demonstrate a mastery for certain required curriculum courses may be eligible and apply for a course exemption. Evidence of mastery may include professional credentials, a review of academic credentials, or a successful course content challenge exam. NESAs does not grant partial course exemptions. Additional information regarding course exemption policies is published on the NESAs Student Handbook and may also be found at www.nesa.edu/student_affairs.html.

Statement of Non-discrimination

The New England School of Acupuncture does not discriminate on the basis of an individual's actual or perceived race, color, religious creed, national origin, ancestry, age, disability, veteran status, sex, sexual orientation, gender identity, marital status, political views or any other unlawful factor in the admission of students to all rights, privileges, programs and activities generally accorded or made available to students at this college; NESAs does not discriminate in the administration of its educational policies.



Services for Students with Disabilities

The New England School of Acupuncture will provide reasonable accommodations for students with documented disabilities, determined on a case-by-case basis. The granting of accommodations will be dependent upon available resources - including faculty and other personnel, facilities, special equipment, and budgetary constraints - and the school's ability to provide reasonable accommodations without undue hardship. Students with disabilities seeking accommodations should contact the Director of Student Affairs for assistance.

Massachusetts Immunization Requirements

NESA adheres to the Massachusetts Department of Public Health requirement that all students (including international students) admitted to any Massachusetts college or graduate school provide written proof of immunization for: Hepatitis B (the first in series of three doses); Tetanus (one booster dose if ten years since last dose) and MMR (two doses measles, one dose mumps, one dose rubella) before entering the school. If written documentation is not available, laboratory proof of immunity will be accepted. Under state law, students have the right to claim either medical or religious exemption from the immunization requirement with the provision of a doctor's letter or a student's written statement, respectively.



TUITION FOR THE MASTER'S DEGREE PROGRAMS

2010-2011 Academic Year Tuition Rates**

Full-time tuition/per credit	\$410.00
Part-time tuition/per credit	\$450.00
Introductory Science Courses/per course	\$595.00

Acupuncture Program (sciences not included)*

Full-time annual tuition, first year (3 terms)	\$17,425
--	----------

Oriental Medicine Program (sciences not included)*

Full-time annual tuition, first year (3 terms)	\$19,065
--	----------

Dual Program (sciences not included)*

Full-time annual tuition, first year (3 terms)	\$19,885
--	----------

*Tuition is calculated on a per credit basis.

The New England School of Acupuncture is a not-for-profit institution, and all revenues are used to support the institution's mission. Tuition and fees are reviewed annually by the Board of Trustees and are subject to change with 90 days notice.

Other Tuition, Fees, and Expenses**

Transfer fee	\$10/credit
Exemption fee	Audit rate for course
Challenge Exam fee	\$100/exam
Make-up Exam fee	\$25-\$100/exam
Accident Insurance (required)	\$230
Basic Sickness Insurance (required)***	\$2,366
Malpractice Insurance (required)	\$100
Student Services/Activity Fee	\$130/term
Private Tutoring and Optional Tutorials	Cost varies
Late Tuition Payment fee	\$25/month
Books and supplies (estimated)	\$800/year
California Licensing Application Preparation fee	\$100w

**Tuition and fees are subject to change.

***Basic sickness insurance is required by state law unless a student demonstrates proof of comparable coverage. This must be paid in full at start of fall term.

Students participating in the Pain Management track, will be charged Tufts University School of Medicine's (TUSM) per-credit tuition rate and related student fees for courses taken at Tufts. All tuition and fees for students taking the Pain Management track will be billed through NESAs.

NESA does not accept credit cards for tuition payments. The NESAs bookstore, Dispensary and Clinic do accept credit cards.

Most states require students to pass NCCAOM exams prior to licensure. Please visit the following link for information on NCCAOM examination fees: <http://www.nccaom.org/wp-content/uploads/pdf/Candidate%20Fees%202011.pdf>.

The Massachusetts Committee on Acupuncture charges a \$300 application fee. Requirements for licensure can be found here: http://www.mass.gov/Eeohhs2/docs/borim/kits/acupuncture_kit.pdf.



Installment Tuition Payment Plan

The opportunity to budget tuition and fee payments is extended to students in good financial standing, who are enrolled with a course load of at least 6 credits in a given term.

Veterans' Benefits

NESA is designated as an approved Institution of Higher Learning (IHL) for the Department of Veterans Affairs higher education benefits. Eligible students should apply through the United States Department of Veterans Affairs in order to obtain a Certificate of Eligibility. Applications can be completed online at <http://www.gibill.va.gov> or by calling the Department of Veterans Affairs at 1-888-GIBILL-1 (1-888-442-4551).

New Post 9/11 Benefits

Only active duty service performed after September 10, 2001 may be considered for determining eligibility for this new benefit. To be eligible, a service member or veteran must have served at least 90 aggregate days on active duty and have been honorably discharged. However, individuals honorably discharged for a service-connected disability who served 30 continuous days after September 10, 2001 may also establish eligibility.

Students who are eligible for the Montgomery GI Bill under Chapter 30, Chapter 32 (VEAP), Chapter 35 (dependents and spouse of deceased or permanently disabled veterans), Chapter 1606 (formerly 106) (Selected Reserve National Guard), Chapter 1607 (REAP) are also able to utilize their respective educational benefits at NESA.

Veterans should make use of the benefits calculators located on www.newgibill.org/calculator to determine which benefit is best for them. *Note: once a student selects Chapter 33 Post 9/11 Veterans Education benefits, it is irrevocable.*

Return of Federal Funds for Withdrawn Financial Aid Recipients

The Financial Aid Office at NESA is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of a term. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

$$\% \text{ of the term completed} = \frac{\# \text{ of days completed up to the withdrawal date}}{\text{Total days in the term}^*}$$

* Any break of five days or more is not counted as part of the days in the term.

This percentage is also the percentage of earned aid. For unofficial withdrawals, the withdrawal date used is the last date the student attended classes.

If a student earned less aid than was disbursed, the institution is required to return a portion of the funds that have been received by the student. Keep in mind that when Title IV funds are returned, the student may owe a balance to the institution. If a student earned more aid than was disbursed, the institution would owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

Financial Aid

NESA participates in both the Federal Stafford and Graduate PLUS loan programs. Federal loans are available to all students who meet eligibility requirements as listed on the Financial Aid page of NESA's website. Federal work study is awarded to all eligible students to the extent of available funds. The financial aid office at NESA administers these programs, as well as the federal work study program, in accordance with federal guidelines.

Federal loans and work study is available to all students who meet the general eligibility requirements as listed on the Financial Aid page on NESA's website. To apply, students must complete the federal Free Application for Federal Student Aid (FAFSA) online as well as the NESA Financial Aid Application. Further information will be sent following the receipt of the complete application. Please refer to the financial aid page on the NESA website for further information: http://nesa.edu/financial_aid.html.

The financial aid process may take up to two months to complete. Therefore, students who wish to be assured that their loan will be in place before tuition payments are due must submit all application materials no later than June 15 before the fall term in which they expect to enroll. For more information or assistance completing the financial aid application, student should contact NESA's Financial Aid Office.

International Students

International students may be eligible for alternative loans, provided they have a cosigner who is a US citizen or permanent resident. Please contact the Financial Aid Office for further information.

Withdrawal from NESA

Students may withdraw from NESA at any time. If a student wishes to withdraw from school, the student must inform the school in writing of the termination. The withdrawal will become effective on the day the Registrar's Office receives written notice, unless a later date is indicated in the letter of withdrawal.

For information on leave of absence, please see the Leave of Absence Policy in the "Grading at NESA" section of the Student Handbook.



Pain Management Program

New England School of Acupuncture and Tufts University School of Medicine (TUSM) have an agreement that impacts billing and financial aid application and awarding procedures for students participating in the Pain Management (PM) track and taking courses at TUSM.

NESA students declaring the PM track and who have been accepted into the MS Pain Research, Education & Policy (MS-PREP) program at Tufts will be billed for their Tufts courses through NESA. TUSM's per-credit tuition rate will apply for the TUSM courses and NESA's per-credit tuition rate will apply for NESA courses. In addition, the respective student services fees for Tufts and NESA will be charged to the student's NESA account. All tuition and student fee payments will be made directly to NESA.

The NESA Financial Aid Office will administer all financial aid for students meet eligibility requirements and who are enrolled in the joint program. Students apply for financial aid in the same manner as all other NESA students. Costs for both programs will be considered in evaluating a student's need for assistance. NESA students will have as equal opportunity as TUSM students when applying to the MS-PREP program for scholarship funding.



Location

Located across from the Charles River in Newton, Massachusetts in state-of-the art facilities, the school is only minutes away from downtown Boston - home to premier academic institutions, museums and galleries, a variety of dining and entertainment options, and enriching cultural experiences.

NESA provides free parking to students, faculty, staff and visitors. The clinic and school are housed in the same building, which is just a short walk from a local bus route. This gives students easy and affordable access to NESA and the Boston metropolitan area. More information, including how to get to NESA using the MBTA, Boston's public transit system (otherwise known as the "T"), can be found at www.mbta.com. The Office of Student Affairs offers discounted T-passes to students, faculty and staff.

Kelly Library

The library maintains a collection of print, audio/visual, and electronic resources focusing on Traditional Chinese Medicine, classical and modern acupuncture with origins in China, Japan, and Korea, Chinese herbal medicine, East Asian philosophy and history, complimentary therapies, bodywork, basic sciences, and biomedicine.

The Kelly Library's collection consists of nearly 7,000 books, over 600 DVD's and audio/visual items, over 130 journal titles, as well as numerous electronic research databases, tools, and tutorials. Other highlights include a Chinese language book collection, anatomical models, recordings of NESA's Research Seminar series, and an exclusive database indexing the library's entire print journal collection. The library's website allows access to thousands of additional electronic journal articles and serves as a starting point for scholarly research.

The library also has quiet space conducive to studying and equipment for printing, copying, and for viewing audio/video materials. The computer lab provides workstations as well as a wireless network for patrons with laptops or notebooks. Library staff is always on hand to answer questions about equipment and resources, or to help with research or Information Literacy instruction.

NESA Clinic

During their third year of the program, student interns treat patients in the NESA Clinic, supervised by clinical faculty who are experienced acupuncturists and/or Chinese Herbal Medicine practitioners, all of whom are licensed by the Massachusetts Board of Registration in Medicine, Committee on Acupuncture. On average, more than 400 patients a week are treated by NESA student interns.

In addition to treating patients in the NESA Clinic, student interns also benefit from opportunities to treat patients at satellite clinics. Some of those clinics include Pathways to Wellness, Boston Medical Center, Dimock Community Health Center, Elder Service Plan of the North Shore, Cambridge Health Alliance, Roxbury Comprehensive Community Health Center, Lemuel Shattuck Hospital, and Winchester Hospital's Family Medical Center.

Clinical Assistantship Sites

During the first two years of the program, in addition to observing and assisting interns in the NESAs Clinic, students also may choose to assist practitioners in a variety of NESAs-approved clinics.

The Clinical Assistantship Program provides students an opportunity to observe firsthand the general operations of various acupuncture and Chinese herbal medicine clinics, the different styles and methods of treatment, and patient care provided by licensed acupuncturists and Chinese herbal medicine practitioners.

The NESAs Dispensary

NESA features its own full-service Chinese herbal medicine dispensary that fills orders for practitioners throughout the New England area. The Dispensary carries a large selection of high quality raw herbs, powdered herbs and patent medicines. The Dispensary also serves as a training facility for NESAs's Chinese herbal medicine students and interns. The Dispensary is a leader in developing procedures in compliance with Good Manufacturing Practices (GMP) for acupuncture schools across the country.

Research Department

The primary goal of the research department is to facilitate research that meets the highest standards of medical science while maintaining the integrity and honoring the plurality of traditional Oriental Medicine practices. The Research Department has been successful in obtaining funding for various research grants, building productive collaborations with local research institutions, and initiating dialogue between researchers and practitioners of Oriental medicine and allopathic medicine.

In 2003, NESAs successfully competed with other complementary and alternative medical (CAM) schools to obtain a \$3.2 million grant from the National Institutes of Health (NIH) to become the first Developmental Center for Research in Complementary and Alternative Medicine (DCRC) dedicated to acupuncture research. NESAs has established collaborations with numerous Boston-area research institutions including Harvard Medical School, Massachusetts General Hospital, Tufts University School of Medicine, Dana Farber Cancer Institute and Children's Hospital Boston.

Students are encouraged to become involved with the research activities at NESAs. In addition to the required Research I course, there are research electives which enable students to become actively involved in research projects. NESAs's current research activities are funded by federal sources such as the National Institutes of Health (NIH) and the Department of Defense (DOD).

The NESAs Store

A vibrant part of the school, the NESAs Store is the go-to acupuncture resource for students, alumni and the New England acupuncture community. The NESAs Store offers an extensive selection of books, charts, needles, herbs, moxa and gifts. Please note that only licensed acupuncturists or matriculated NESAs students may purchase needles and some herbal remedies. The Store is open to the public and is located on the third floor inside the main school. The Store carries all required and recommended textbooks, educational and school materials, treatment and clinical supplies, as well as prepared Chinese herbal medicines and remedies.

Housing

NESAs does not have campus housing. Newton and the surrounding communities of Boston provide a variety of housing options for students. For solutions to their housing needs, students are advised to search online or in local area newspapers, and to check the Resource Bulletin Boards in the Student Lounge at NESAs.

Student Academic Advisement

Each student is assigned an academic advisor who is available to counsel the student about academic issues and any issues related to academic performance. The advisor can also provide referral to other resources when appropriate.

Career Planning & Assistance

A large network of NESAs alumni, other acupuncturists and Chinese herbal medicine practitioners inform the school of practice opportunities around the country. Notices of these opportunities, as well as contact information for new and established practices of alumni, are posted on the NESAs Forum.

NESAs regularly receives calls from individuals throughout the country seeking acupuncture and Oriental medicine services, and alumni may choose to be included in a referral system used to link callers with practitioners in their area and be listed on NESAs's website.

Additionally, employment opportunities for NESAs graduates often arise through the professional relationships that students develop with faculty and other practitioners while enrolled in the program. For those planning to set up their own private practices, the program's Business Lab and Practice Development and Business Management course help students develop important skills needed to successfully start and maintain a clinical practice.



NESA Student Handbook

The NESA Student Handbook, distributed to students at the start of each academic year, is the official publication of the policies and procedures of the New England School of Acupuncture. Students are expected to be familiar with, and are required to adhere to, the policies and procedures contained in the handbook. The NESA Student Handbook is available on our website at http://nesa.edu/page/pdf/375/2010-2011_Student_Handbook.pdf.

Satisfactory Academic Progress and Related Policies

Academic progress in NESA's programs is assessed by both qualitative and quantitative measures. Students must maintain satisfactory academic progress in order to remain in the program and qualify for financial aid.

To maintain satisfactory qualitative academic progress, students must:

1. earn a passing letter grade (C or better) in all courses;
2. successfully complete courses in their prescribed sequence, passing all pre-requisite courses before being allowed to enroll in the subsequent course;
3. pass all required comprehensive examinations; and
4. satisfy attendance requirements for each course in accordance with NESA policy

To achieve satisfactory quantitative academic progress, students must:

1. return from a Leave of Absence within one year.
2. complete the degree program in no more than six (6) calendar years.
3. maintain a 67% completion rate of cumulative attempted credits.

Detailed descriptions of policies regarding grading, examinations, attendance, satisfactory academic progress and academic probation are published in the NESA Student Handbook.

Dismissal from the Master's Degree Programs and Loss of Financial Aid

A student may be dismissed from NESA for any of the following reasons:

- Failure to maintain satisfactory academic progress;
- Earning a failing grade in fifty percent of courses attempted in a term;
- Earning a failing grade in more than one course throughout the program;
- Committing a serious breach of NESA's Code of Student Conduct;
- Performing an acupuncture or Chinese herbal medicine treatment in a clinical course or clinical internship without the explicit prior approval of the supervising faculty;
- Performing an unsupervised acupuncture or Chinese herbal medicine treatment within or outside of NESA
- Removing a patient file from any NESA clinic site; or
- Any other behavior that NESA deems to be insubordinate, disrespectful or disruptive to the operation of NESA including teaching, learning, research, administration, disciplinary proceedings, or other school activities.

Leave of Absence Policy

A student in good standing may request a leave of absence for up to one year. The student must submit a Leave of Absence Form to their advisor stating the reasons for requesting the leave of absence. A leave of absence is granted at the discretion of the administration. Before leaving, the student must arrange payment of any outstanding balance with the Finance Department.

Students wishing to return from a leave of absence must notify their advisor or the Director of Student Affairs. Students who do not return from a leave after one year will lose their student status, and must apply for re-admission into the program if they wish to return. Any period of time that a student is on a leave is counted as part of the student's total time in the program at NESAs, and will count towards time limit a student has for completing the program. Students on leave of absence do not qualify for deferment from federal financial aid loan repayment.

Graduation Requirements

In order to qualify for graduation and receive a final official transcript, a student must:

1. Complete all required program requirements, core curriculum, track courses, projects, assistantships, internships, and electives taken for credit with a grade of "C" (70%) or better. Students must pass courses that carry a grade of pass/fail, as well as all required comprehensive exams. Note that students must complete all graduation requirements in effect during the fall term three years prior to their graduation. Occasionally a change is made in program accreditation requirements that may affect matriculated students.
2. Have, as part of the student's permanent record, official transcripts from an accredited college or university verifying a bachelor's degree and all program requirements that were not completed at NESAs. A grade of "C" (70%) or better in each course is required.
3. Have met all of their responsibilities to the school, including payment of outstanding tuition and fees.
4. Complete any other educational requirements that were specified as conditions for admission to NESAs.

Students who are scheduled to complete all graduation requirements before the end of December of the year of their graduation may participate in the commencement ceremony that same calendar year.

Non-Smoking Environment

For the health and safety of all, smoking is not allowed in NESAs facilities.

State Licensing Requirements and Guidelines

Most states in the U.S. currently license acupuncturists. However, licensing requirements as well as guidelines regarding scope of practice (for example, use of Chinese herbal medicine) vary from state to state. Prospective students should consult the board of medicine or other appropriate agency regarding acupuncture licensing requirements in the state in which they plan to practice. Information on licensing requirements and scope of acupuncture practice is available from state licensing boards.

NESA's programs provide students with the course work required for licensure in Massachusetts and many other states. However, NESA does not guarantee that all graduates will qualify for or obtain licensure. Massachusetts and other state licensing requirements are subject to change. For information about Massachusetts licensing requirements, including TOEFL and TSE language requirements, contact the Board of Registration in Medicine, Committee on Acupuncture, 200 Harvard Mill Square, Suite 330, Wakefield, MA 01880, (781) 876-8200, or at www.massmedboard.org/acupuncture.

NESA's Master of Acupuncture and Oriental Medicine degree programs are recognized by the state of California Acupuncture Board as meeting their eligibility requirements. (NESA's Master of Acupuncture degree program is not recognized by the state of California.) For information about the California licensing examination, contact: The Acupuncture Board, 444 North 3rd Street, Suite 260, Sacramento, CA 95811, (916) 445-3021, or at www.acupuncture.ca.gov. Email: acupuncture@dca.ca.gov

ACAOM Complaint Procedure

Student grievances usually are resolved through meetings with the faculty or staff involved, or with the Academic Dean. If necessary, a grievance committee is convened. Detailed information about the NESA student grievance procedure is published in the NESA Student Handbook.

Students who do not feel that their grievance has been satisfactorily resolved by the NESA grievance procedure, or who have a complaint regarding the school, may contact the Accreditation Commission for Acupuncture and Oriental Medicine (ACAOM), 14502 Greenview Drive, Suite 300B, Laurel, MD, 20708, (301) 313-0855 or at www.acaom.org.

Changes in Policies

The New England School of Acupuncture reserves the right to make changes to the policies, procedures, fees, schedules or any other provisions in its catalogue, other publications or website, subject to accreditation requirements and state and federal laws and regulations. Although every effort has been made to ensure accuracy and completeness, students are advised that changes may be made at anytime without prior notice.

NESA ACADEMIC CALENDAR

Fall 2011

Sept 5 Labor Day
Sept 6 Classes/Clinics Start
Nov 22 – Nov 27 Thanksgiving Break
Dec 17 Classes/Clinics End

Spring 2012

Jan 2 New Year (Observed)
Jan 3 Classes/Clinics Start
Feb 19 – Feb 25 Winter Break
Apr 16 Classes/Clinics End

Summer 2012

Apr 30 Classes/Clinics Start
May 28 Memorial Day
July 3 – July 8 July Break
Aug 11 Classes/Clinics End

Fall 2012

Sept 3 Labor Day
Sept 4 Classes/Clinics Start
Nov 20 – Nov 25 Thanksgiving Break
Dec 15 Classes/Clinics End

Spring 2013

Jan 1 New Year
Jan 2 Classes/Clinics Start
Feb 17 – Feb 24 Winter Break
Apr 16 Classes/Clinics End

Summer 2013

Apr 29 Classes/Clinic Start
May 27 Memorial Day
July 2 – July 7 July Break
Aug Classes/Clinics End

NESA BOARD OF TRUSTEES

Richard Glickman-Simon, MD
Acting President, Chair

Laura R. Studen, JD
Vice Chair

Ted Owens, MBA
Treasurer

Karen Dendy Smith, MFA
Clerk

Loochie Brown, MEd, LicAc, '09
Faculty Representative

Gerianne Gallagher, ND, MAOM, LicAc, '09

Phuong Nguyen
Student Representative

Faith Oliver, MEd

Andrew Smith, CPA



One of NESA's great strengths is its diverse and highly qualified faculty members who teach at NESA while maintaining professional practices. Several faculty are renowned scholars and clinicians who have lectured and published widely. Their combination of teaching and practical experience exposes students to a depth and breadth of knowledge and skills.

Robin Abdallah-Doukkara, *MAOM, LicAc*

Courses/Clinics: Oriental Medicine, Chinese Acupuncture and Japanese Acupuncture Styles Clinical Internships

After graduating from NESA in 2003, Robin Abdallah-Doukkara completed a brief Chinese herbal medicine internship with Dr. Tao Xie at the Pathways to Wellness Clinic. Robin then practiced with Dr. Yao Zhang at New England Acupuncture and Oriental Herbal Medicine. She also has practiced at a clinic specializing in the treatment of infertility with acupuncture, and was a presenter at the Resolve Infertility Conference. Using her Spanish language skills, Ms. Abdallah-Doukkara practiced for a year in a grant-funded pain clinic at Greater Lawrence Family Health Care Center in Lawrence, MA. She currently practices at both Backworks in Boston, MA and at Massage Therapy Works in Cambridge, MA, with a clinical focus in autoimmune disorders, pain, and psycho-emotional issues.

C.J. Allen, *MAc, LicAc, DipICH (NCCAOM)*

Courses/Clinics: Introduction to Chinese Herbal Medicine; CHM: Formula Writing; Clinical Skills of TCM; TCM Etiology and Pathology I; Chinese Herbal Medicine, Oriental Medicine and Chinese Acupuncture Clinical Internships

A 1999 graduate of NESA, C.J. Allen is certified as a Diplomate of Chinese Herbology by the NCCAOM and in the NADA protocol for Acupuncture Detoxification. C.J. has served as a detox acupuncturist at the Dimock Community Health Center and also as a clinical staff member of Pathways to Wellness (AIDS Care Project) where he assisted Dr. Tao Xie, the director of herbal medicine.

C.J. has guest lectured on Chinese herbal medicine at Boston University, Tufts University and the University of Massachusetts Medical School. He maintains a private practice at Acupuncture and Herbal Healing located in Newton and West Roxbury, MA. A graduate of Fairleigh Dickinson University (BS), Mr. Allen has also studied studio and fine arts at Harvard University and is an award-winning photographer.



Bridie Andrews, *BSc, PhD*

Courses: Survey of Chinese Classic Medical Texts

After graduating from Edinburgh University with a BSc in Biology, Bridie Andrews moved to China to learn Chinese at Xiamen University. Subsequently, she studied Chinese pharmacy at the China University of Pharmaceutical Sciences in Nanjing. Dr. Andrews obtained a PhD from Cambridge University in the history of medicine in China. She has held post-doctoral fellowships at the London School of Oriental and African Studies, the University of Pennsylvania, and the Radcliffe Institute of Harvard University. An assistant professor of East Asian history at Bentley University, Dr. Andrews also served as assistant professor of the history of science at Harvard University from 1998-2004.

Dr. Andrews' publications include two co-edited volumes, *Western Medicine as Contested Knowledge* (with A.R. Cunningham, Manchester University Press, 1997), and *Medicine and Colonial Identity* (with Mary P. Sutphen, Routledge, 2003). She is preparing to publish a monograph, *The Making of Modern Chinese Medicine*. Her research focuses on the history of interactions between Chinese and Western medicine.

Robert Ayres, *MS*

Courses/Clinics: Anatomy & Physiology I; Anatomy and Physiology II; Anatomy Lab

Robert Ayres received his BA in biology from the University of Missouri and his MS in biology from the University of Pittsburgh. He began his career as a research assistant at Montefiore Hospital in Pittsburgh before moving to Massachusetts General Hospital in Boston. In addition to teaching at NESAs, Mr. Ayres is an associate professor in the School of Arts, Science and Design at Newbury College in Brookline, MA. He has been teaching anatomy and physiology, biology, and assorted science and math courses there for over thirty years.

Cindy Banker, *MA, DiplABT (NCCAOM)*

Manual Therapies & Internal Arts

Cindy Banker has taught Five Element Shiatsu and related arts for more than thirty years as a private practitioner and as founder and director of New England Center for Oriental Bodywork. She was also founder and past president of the American Shiatsu Association and was instrumental in establishing standards for the certification of Asian Bodywork Therapy by the National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM) and the American Organization for Bodywork Therapies of Asia (AOBTA). Ms. Banker is a scholar of classical Chinese medical texts and holds a masters degree in Chinese Herbal Medicine and Language having studied with Ted Kaptchuk at Lesley College, *Harvard University and NESAs*.

James Belanger, *ND*

Courses/Clinics: Western Nutrition

A licensed naturopathic doctor, James Belanger graduated from Bastyr University in Seattle, WA. He has extensive training in both Western medicine and natural medicine, including nutritional and herbal practices. In addition to teaching oncology at the University of Bridgeport College of Naturopathic Medicine, Dr. Belanger is currently co-director of the Lexington Natural Health Center in Lexington, MA.

Chris Belskis

Courses/Clinics: Chinese Nutrition, Oriental Bodywork, Sotai

Chris Belskis is a practitioner of East Asian healing arts, integrating Shiatsu, Sotai, Tuina and TCM into his treatments. He is an instructor and AOBTA-certified Shiatsu practitioner. Holding certification in Zen Shiatsu and in Sotai. Chris is a faculty member at the Muscular Therapy Institute in Watertown, MA. He has studied martial arts and Eastern healing for over twelve years and brings a practical synthesis of modalities to his courses.

Loochie Brown, *MEd, MAc*

Courses/Clinics: Clinical Case Management I, Clinical Case Management II, TCM Lab II

Loochie came into the practice of Chinese medicine as a patient twenty-three years ago. Receiving acupuncture for the first time was an experience of both welcome relief from pain mixed with a sense of deep relaxation. It is from that experience that she views each of her patients. Loochie has been in private practice in Lexington, MA for fifteen years and has hosted over seventy-five NESA clinical assistants in that time.

Loochie graduated from Lesley University with a master's in education in 1982, and worked in AIDS research and treatment until 1995 at Fenway Community Health Center in Boston. She joined the faculty of NESA that same year and is currently an assistant professor. Loochie has also worked with a range of groups to promote acupuncture as a first-line treatment approach. Her current focus is on advanced auricular therapy techniques for pain control as well as scalp acupuncture treatment of motor/sensory disorders related to Multiple Sclerosis and Parkinson's disease.

Winnie Chow, *DAOM, Lic.Ac., Dipl.CH*

TCM Theory I and II, Chinese Herbal Formulas, Formula Writing, CAS, CHM and OM clinical internship and History of Medicine

Winnie Chow joined the NESA faculty in 2010 after completing her clinical doctorate at Five Branches University. She received her initial training in AOM from Beijing University of Traditional Chinese Medicine in China and previously taught at the University of East-West Medicine in California, concentrating in Chinese Herbal Medicine.

Stephen Cina, *MAOM, LicAc, ATC, ACSM H/FI*

Courses/Clinics: Chronic Pain: A Multidisciplinary Approach to a Complex Problem; Orthopedic Acupuncture; Chinese Acupuncture, Oriental Medicine and Orthopedic Clinical Internship

Stephen Cina specializes in the integration of Chinese and western medical approaches in the treatment of orthopedic disorders. Along with his NESA Master of Acupuncture and Oriental Medicine degree, Stephen is certified by the National Athletic Training Association as an athletic trainer and certified by the American College of Sports Medicine as a health and fitness instructor. He was the first to develop a craniosacral program at Pathways to Wellness and has provided acupuncture to the Boston Bruins and the New England Patriots players.

Stephen also practiced at the Sports Club LA in Boston where he provided acupuncture and Chinese herbal medicine services.

At his holistic practice in Brighton, MA, Total Wellness Clinic, Stephen organized a cooperative of various practitioners providing services including acupuncture, craniosacral therapy, bodywork, naturopathy and osteopathy. Stephen's research experience includes his role as co-investigator on a paper titled "Electrical Properties of Acupuncture Points and Meridians: A Systematic Review" published in the Journal of Bioelectromagnetics. He also serves as an acupuncturist serving the Martino's Center neuroimaging team investigating event-related brain response to acupuncture using fMRI technology.

Lisa Conboy, *MA, MS, ScD*

Courses/Clinics: Research I: Design and Evaluation; Patient-Practitioner Relationship

Lisa Conboy is a health researcher who has been teaching research methods for fifteen years. She received her MA from UMASS Amherst, and her MS and ScD from Harvard School of Public Health. A sociologist and epidemiologist, she became interested in Chinese medicine about twenty years ago due to its positive effects on her own health. As a result, she has focused her research questions on acupuncture and Chinese medicine over the last ten years.

In her research and teaching, Lisa utilizes and teaches multiple methods and various forms of analyses to best ask and answer questions about acupuncture and Chinese medicine. She has published analyses using qualitative, survey, and biological data. Lisa is striving to produce work and train researchers that can address novel questions in scientifically sound ways. Lisa lives in Somerville, MA and is currently pursuing her certification in yoga instruction.

John Coville, *MBA, LicAc*

Courses/Clinics: Introduction to CAS Clinical Internship I; Introduction to CAS Clinical Internship II; Materials and Methods of TCM I; Materials and Methods of TCM II; Chinese Acupuncture and Oriental Medicine Clinical Internship

John Coville is a 1995 graduate of the New England School of Acupuncture who uses a combination of Chinese and Japanese acupuncture in his private practice in Beverly. He also works at the Pathways to Wellness Clinic (AIDS Care Project) in Boston as a staff acupuncturist and home care provider. John received his MBA from Northeastern.



Patrick Cunningham, *LicAc, RCST®, BCST*

Chair, Manual Therapies and Internal Arts Department

Courses/Clinics: Introduction to Craniosacral Therapy; Living Anatomy & Structural Analysis; Orthopedic Acupuncture

Patrick Cunningham has been studying acupuncture, manual therapy and herbal medicine for over thirty years. His practice combines Chinese, Japanese and orthopedic acupuncture, biodynamic craniosacral therapy, visceral manipulation, lymph drainage therapy, applied kinesiology, medical aromatherapy and Chinese and Western herbal medicine. He is the author of *Acupuncture Points: A Practical Guide to Classical and Modern Usage*. He also teaches workshops in biodynamic craniosacral therapy, Meridians in Motion(c) and Acupuncture Structural Dynamics(c).

Linda S. Davis, *DiplAc (NCCAOM), LicAc*

Courses/Clinics: Introduction to CAS Clinical Internship I; Introduction to CAS Clinical Internship II; JAS: Clinical Application of Adjunctive Techniques; JAS: Divergent Channels; JAS: Introduction to Clinic; Palpatory Skills for Qi Sensitivity; Sotai; Chinese Acupuncture and Japanese Acupuncture Styles Clinical Internship

Linda Davis has been studying how subtle energy moves in the body for over twenty years. An early interest in yoga (Certificate, Kundalini Teacher Training Program, 1991) combined with an undergraduate study of Asian art and philosophy led her to acupuncture. She graduated from the New England School of Acupuncture in 2002 with a concentration in the Japanese Acupuncture Styles.

Maintaining a private practice in the nearby city of Somerville, Linda works primarily in the style of Yoshio Manaka, MD but also integrates Sotai-ho (as learned from Peter Guy Thompson), and various non-insertive techniques (such as Shakuju as learned from Kobayashi sensei) into her treatments. She is also certified in the hands-on Healing Ki work of Katusmi Niikura (International Ki Ryokukai).

Eileen Power DePaula, *MEd, MAc, LicAc*

Courses/Clinics: Acupuncture Treatment During Pregnancy

Eileen Power DePaula has been practicing acupuncture since 1995 after getting her MAc at NESA, has been a massage therapist since 1986. She holds a BS in Clinical Nutrition and MEd in Health Education from Boston University, and is a Certified Childbirth Educator through the Association of Labor Assistants and Childbirth Educators (ALACE).

She has spent over twenty years specializing in women's health with a particular focus on gynecology, fertility, prenatal and postpartum, stress and anxiety disorders, orthopedics, and adjunctive cancer treatment. She teaches post-graduate education to acupuncturists in the area of women's health.

Anne Drogin, *MDiv, MAc, LicAc*

Courses/Clinics: Chinese Acupuncture and Oriental Medicine Clinical Internship

Anne Drogin has been practicing acupuncture in the Boston area since graduating from NESAs in 1997. Prior to studying acupuncture, Anne received a BA in philosophy and Western religion from Wellesley College where she first became interested in social justice work. She went on to complete the Women's Theological Center's Study/Action program and to receive a master's degree in divinity from Harvard Divinity School in 1990.

In keeping with her prior work for various social justice organizations, Anne's focus in acupuncture has been in public health. She began her career as an acupuncturist for the Pathways to Wellness Clinic (AIDS Care Project) working in the main clinic as well as treating HIV+ recovering addicts at one of the satellite clinics. Anne started working at NESAs as a teaching assistant in 1998 and became a faculty member in 2001. She has taught a wide variety of practical courses and enjoys engaging with the students in public health clinics offsite. Anne continued to treat HIV+ patients and Cambodian refugees until recently when she opened her own low-cost community acupuncture clinic in downtown Boston.

Deirdre D'Silva, *MAOM, LicAc*

Courses/Clinics: Clinical Skills of TCM

A 2005 graduate of NESAs, Deirdre D'Silva is trained in Chinese and Japanese styles of acupuncture and Chinese herbal medicine. Originally from the Boston area, Deirdre graduated from Boston College with a bachelor's degree in history and Spanish and a minor in health science.

Since graduation, Deirdre served on the board of the Acupuncture and Oriental Medicine Society of Massachusetts (AOMSM) from 2005 until the spring of 2009. Deirdre also volunteered with the Boston Veteran's Community Acupuncture Project (VCAP), and worked with a group of other local acupuncturists trying to establish a free acupuncture clinic for returning veterans from Iraq and Afghanistan. Before joining the faculty, Deirdre served as a teaching assistant in many core and Japanese courses.

Martin Feldman, *LicAc*

Courses/Clinics: Japanese Acupuncture Styles Clinical Internship

A 1992 graduate of NESAs, Martin Feldman has studied with renowned masters such as Dr. Yoshio Manaka and Mr. Kodo Fukushima. A founding member of the Boston AIDS Care Project, he belongs to the Boston branch of the Toyo Hari Association. Martin maintains a private practice in Watertown, MA.

Deguang He, *LicAc*

Courses/Clinics: CHM: Medical Qigong, Chinese and Oriental Medicine Clinical Internship

Deguang He is a licensed acupuncturist and Chinese herbalist. He graduated from Anhui TCM College and the China Academy of Traditional Chinese Medicine in China. He was the first person in China to ever receive a master's degree in medical Qigong and acupuncture. He

practiced as a medical doctor in China and has over twenty-four years of clinical experience in China, the former Soviet Union, Japan and the United States.

Very experienced in treating cancer patients with acupuncture and medical Qigong, Deguang practices acupuncture at the Mass General/North Shore Cancer Center in Danvers, and at the Massachusetts General Hospital Cancer Center in Boston. Additionally, he maintains a private practice in Waltham, MA. Deguang has been involved in multiple research studies.

Diane Iuliano, *MAc, LicAc, DiplAc (NCCAOM)*
Co-Chair, Japanese Acupuncture Styles Department

Courses/Clinics: Introduction to Shakuju; JAS: Local Treatments; Microsystems of Acupuncture Treatment

Diane Iuliano has been practicing Japanese style acupuncture for over seventeen years, after graduating from Boston College with a BA degree in fine arts and receiving her LicAc from NESA. Diane has studied extensively with Miki Shima, Shoji Kobayashi and Toshikatsu Yamamoto and earned a Japanese acupuncture teaching certificate from Miki Shima and the Japanese American Acupuncture Foundation in July of 2005. She is a founding member of the North American branch of the Shakuju Association and a member of the Boston Branch of Toyo Hari. Diane has practiced acupuncture at Mount Auburn Hospital, where she supervised the first NESA satellite clinic at the hospital in the Center for Women.

Diane has been teaching acupuncture in Tokyo and Hokkaido for the past four years, and was the first American female keynote speaker at Hokkaido University in 2007. Diane participated as a research associate in the Stop Hypertension Acupuncture Research Program (SHARP) at Massachusetts General Hospital. She is a board member of the Auriculotherapy Certification Institute. In 2006 Diane was awarded the first certificate to date in the USA from Shoji Kobayashi and the Shakuju Association in August of 2006. She is currently the Co-Chair of the NESA Japanese Department.

Yanping Jin, *LicAc, DipICH (NCCAOM)*

Courses/Clinics: CHM: Case Studies; CHM: Formulas I; CHM: Formulas II; CHM: Internal Medicine I; CHM: Internal Medicine II; Oriental Medicine and Chinese Herbal Medicine Clinical Internship

After years as a clinical practitioner in China, Yanping Jin moved to the U.S. and now maintains private practices in acupuncture and Chinese herbal medicine in Brookline and Cambridge, MA.

Yanping Jin received her master's degree from Beijing Chinese Medical University in 1983 after completing a three-year undergraduate program in traditional Chinese medicine at Jiangxi Chinese Medical College, Nanchang, China in 1979 and a three-year graduate course in TCM at the Tianjin Chinese Medical College, Tianjin, China in 1982.

Ted Kaptchuk, *LicAc*

Courses/Clinics: Experience, Experiments & the Soul

A visiting scholar at NESAs, Ted Kaptchuck is an associate professor of medicine at Harvard Medical School and director for complementary specialties at the Osher Institute, Harvard Medical School. Ted studied Chinese medicine at the Macao Institute of Chinese Medicine. Ted is currently serving a second four-year term on the National Advisory Committee of the National Center for Complementary and Alternative Medicine (NCCAM) at the National Institutes of Health (NIH). He also serves as an expert panelist for the Food and Drug Administration (FDA). Ted is the author of *The Web that has No Weaver* and of numerous scholarly and scientific articles.

Joseph A. Kay, *LicAc, DiplAc & DiplCH (NCCAOM)*

Co-Chair, Japanese Acupuncture Styles Department

Courses/Clinics: Introduction to Japanese Acupuncture Styles; JAS: Root Treatment Strategies I; JAS: Root Treatment Strategies II

Joseph Kay has been practicing acupuncture for over twenty years in the Boston metropolitan area, utilizing both Chinese and Japanese styles to treat patients. After graduating from Kent State University with a bachelor's in business administration, Joseph managed a natural food store in Ohio and a natural food restaurant in Arizona. While studying martial arts, he became interested in Oriental medicine.

After attending NESAs, Mr. Kay traveled to China to study Chinese herbal medicine and to Japan to study Toyo Hari style acupuncture. He is a founding member of the Toyo Hari and Shakuju Associations in North America. Joseph has consulted and participated in a number of acupuncture research studies, including work with the Harvard Osher Institute. He is currently the co-chair of the JAS department at NESAs and a clean needle technique instructor for the Council of Colleges of Acupuncture and Oriental Medicine.

Della Lawhon, *MAOM, LicAc, DiplOM (NCCAOM)*

Courses/Clinics: Chinese Acupuncture and Oriental Medicine Clinical Internship

Della Lawhon has professionally practiced and studied Asian medicine since 1998. She graduated from NESAs with a dual focus on Japanese and Chinese acupuncture and Chinese



herbal medicine. Before NESA, she completed professional certification in Zen Shiatsu and Sotai at the Boston Shiatsu School. Della has studied with a number of experts in the field of Oriental medicine.

Della has worked in community health and research organizations. She worked as a health educator at women's health clinics and public health departments. Della has lectured at national and regional professional conferences on evidence-based medicine and on applying research in clinical practice. She has co-written a systematic review of Chinese herbs effectiveness at managing seizures. She is on the advisory board of the Oriental Medicine Journal. She is a member of the American Association of Acupuncture and Oriental Medicine, the Community Acupuncture Network. Della is a KRI certified Kundalini yoga instructor, teaches yoga classes and leads a yogic lifestyle.

Della opened a community acupuncture clinic in Boston's metrowest suburbs in 2007. She directs the clinic, which in addition to providing acupuncture offers herbal medicine, nutritional consultations, Asian bodywork, meditation and workshops.

Kathryn Loomis, LicAc, MAc, DiplAc & DiplCH (NCCAOM)

Classes: CHM: Pharmacopoeia I & II, CAS Clinical Internship

Kathryn graduated from NESA in 1996 with her MAc. She has continued her studies in Chinese medicine with teachers including Sharon Weizenbaum, Koei Kuwahara, Liu Ming, and Andrew Ellis. After several years of clinical practice in Connecticut, Kathryn utilized her Chinese language skills to pursue two years of advanced studies in clinical Chinese herbal medicine at the Beijing University of Chinese Medicine. Kathryn has a BA in Asian Studies from Hamilton College, and a BSME from the University of Massachusetts (Amherst).

Kathryn was fortunate to study with a master teacher of Tai Ji for the two years she lived in Beijing. She translated for him when he was invited to teach for several months in Syracuse, NY. Her experience of working for over two years in the Chinese herbal industry in both Taiwan and California gave her the opportunity to learn about issues of herb quality, identification, supply, contaminants, and testing. After years of clinical practice in Connecticut, Kathryn moved to Massachusetts and now has a practice in Wayland.

Recently Kathryn completed a two year certificate program in Biodynamic Craniosacral therapy with Franklyn Sills. She is enjoying integrating the Biodynamic Craniosacral therapy into her acupuncture practice.

Yelena Lebedinsky, PhD, MAc, LicAc

Courses/Clinics: Chinese Acupuncture and Japanese Acupuncture Styles Clinical Internship

Since graduating from NESA in 1994, Yelena has maintained a private practice employing both TCM and Japanese styles of acupuncture. She has a special interest in the treatment of emotional disorders.

Dr. Lebedinsky completed much of her education in Moscow, including a master's degree in chemistry. While in Russia, she was involved in research in parapsychology and received training in therapeutic touch. She came to the U.S. in 1981, entering the graduate program in biomedical engineering at Rutgers University. Dr. Lebedinsky received her PhD in 1987 and subsequently worked as a senior research pharmacologist at a major pharmaceutical company.

Sharon Levy, *LicAc*

Courses/Clinics: Chinese Acupuncture Clinical Internship

A 1996 graduate of NESAs, Sharon maintains a full scope acupuncture practice in Arlington, MA with special interests in Tuina, women's health and pregnancy and childbirth. In 2000, she co-founded Acupuncture Birthing Associates and has been very active in the Massachusetts birthing community. Sharon treats a diverse population of patients from Boston and the surrounding suburbs. Sharon holds a BA in environmental studies and bioethics from Goddard College in Vermont.

Weidong Lu, *MPH, LicAc, DiplAc, DipCh (NCCAOM)*

Courses/Clinics: CHM: Clinical Pharmacology

Weidong Lu is a research faculty member at NESAs, and a researcher and staff acupuncturist at Dana-Farber Cancer Institute's Zakim Center. Weidong Lu received his medical degree (MB) from Zhejiang College of Traditional Chinese Medicine in 1983 and his MPH from the Harvard School of Public Health. Weidong Lu taught and conducted research in China before coming to the United States in 1991. As part of the NESAs Acupuncture Research Collaborative, he is a co-leader of the clinical trial entitled Acupuncture of Chemotherapy-Induced Neutropenia. He is also the co-investigator of an NIH-funded trial evaluating the effects of acupuncture on the quality of life in late-stage cancer patients, and has served as a consultant to Harvard Medical School's Osher Institute for numerous studies. He maintains a private practice in the NESAs clinic. Weidong Lu is also chairman of the Massachusetts Board of Registration in Medicine's Committee on Acupuncture.

George Mandler, *LDN, MS, MAOM, LicAc*

Courses/Clinics: Western Nutrition

George Mandler is a Massachusetts licensed dietitian/nutritionist and licensed acupuncturist. He is a certified nutrition specialist (CNS) from the American College of Nutrition as well as a Diplomat of Oriental Medicine from NCCAOM. In his private practice, George incorporates functional medical nutrition therapy with acupuncture and Chinese herbal medicine, specializing in digestive disorder and fatigue. He holds master's degrees from Boston University, University of New Haven and NESAs and an MS in Human Nutrition from University of New Haven.

Jeffrey Shih-chung Matrician, *MAOM, LicAc*

Courses/Clinics: History & Cultural Foundations of Chinese Medical Systems; Tai Chi

An East Asian studies major at Wesleyan University, Jeff taught English at Nanjing University

in 1996. In 1998 he taught high school English for the Ministry of Education in Gifu Prefecture, Japan. Jeff has had a lifelong interest in the philosophy of the East and its practical application to life. He has studied Tai Chi since 1996, and starting in 1999, under Master Gin Soon Chu, the 2nd Disciple of the late Yang Zhenming (Shou Zhong).

Jeff has been teaching since graduating NESA in 2002. He has two practices: one at the Center for Wellness at Harvard University and the other at the Watertown Center for Healing Arts. He practices mostly Chinese style acupuncture, massage, Chinese herbal medicine and Qigong.

Cheryl Milligan, MEd

Courses/Clinics: General Biology

Cheryl Milligan has been teaching biology and sciences in the Boston area for close to ten years. After obtaining bachelor's degrees in biology and environmental science from Tufts University, she obtained a Master's of Arts in Education, also from Tufts, before beginning to teach as adjunct faculty in the Boston area.

Currently, Cheryl is enrolled in the Friedman School of Nutrition and Health Science's food policy and applied nutrition program, seeking a second master's and a PhD in nutritional sciences. Her current interests range from nutrition in developing countries to sustainable agriculture and performance nutrition.

Michael Oxman, MSTCM, LAc

Courses/Clinics: Clinical Case Management, Etiology and Pathology, Needling Lab, OM Clinical Internship

Michael Oxman is a licensed acupuncturist and Chinese herbalist. He graduated from the American College of Traditional Chinese Medicine. He then went to practice in Zefat, Israel. During this time he taught at several Chinese Medicine programs in Israel. During this time he traveled once a month to Milan, Italy to practice. Returning to the US in 2006 Michael moved to New York practicing in Manhattan and Westchester while teaching at The Touro College Graduate Program in Oriental Medicine. While at Touro he also served as Chair of Clinical Studies and then Director. In 2010 Michael moved to Massachusetts. He joined the NESA faculty at that time and set up a practice in Sharon, MA and Newton, MA.

Dana Quinn, LicAc, DiplAc (NCCAOM)

Courses/Clinics: Introduction to CAS Clinical Internship I; Introduction to CAS Clinical Internship II; Chinese Acupuncture and Oriental Medicine Clinical Internship

A staff acupuncturist for the Massachusetts Alliance of Portuguese Speakers Acupuncture Detoxification Center since 1984, Dana Quinn graduated from the New England School of Acupuncture in 1983 and later studied Chinese herbal medicine at NESA. She maintains a private practice in Chinese acupuncture and Chinese herbal medicine in Cambridge, MA.

Anson Rathbone, *MAc, LicAc*

Courses/Clinics: Tai Chi

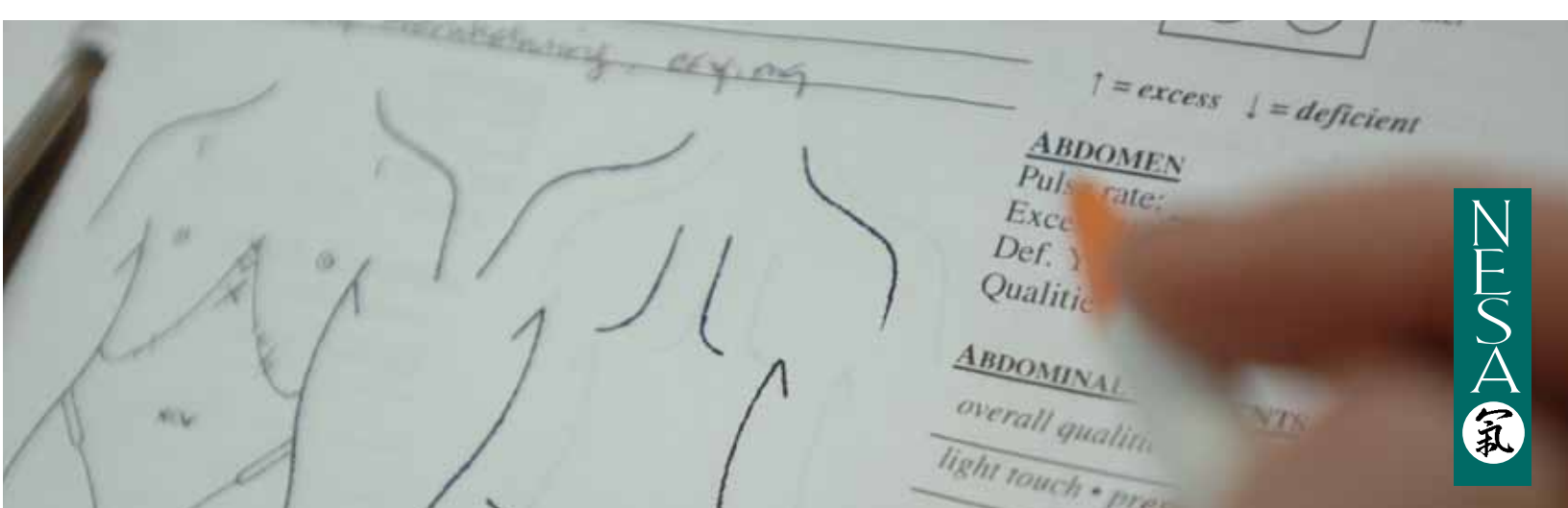
Anson Rathbone worked as an R&D engineering technician and manager in the electronics industry for a number of years, all the while maintaining an interest in various aspects of Chinese culture, particularly music and traditional exercise. He had the opportunity to meet and study Tai Chi and Qigong with a variety of teachers, beginning in 1984. Looking to develop a career in something more in line with his own interests, he chose to study Acupuncture. He currently owns an acupuncture clinic in Malden and acts as a teaching assistant and instructor at NESAs. He lives in Malden with his wife, studying Erhu (Chinese violin) in his spare time.

Suzahne Riendeau, *MAc, LicAc*

Courses/Clinics: Clinical Skills of TCM; Diagnostic Skills of TCM; JAS: Introduction to Clinic; JAS: Local Treatments; Microsystems of Acupuncture Treatment; Point Location I; Point Location II

Suzahne Riendeau has been in practice in the Boston area since 1999. She graduated from the University of Massachusetts with a bachelor's degree in medical anthropology and a minor concentration in fine art, later earning a MAc from NESAs with a concentration in Japanese acupuncture styles. She also completed the Chinese herbal certification training at NESAs.

Suzahne has studied Hari style acupuncture with Kuahara sensei, Shakuju style acupuncture with Kobayashi sensei, and Kiiko Matsumoto style with David Euler. In addition, she successfully completed all five levels of craniosacral therapy training with Patrick Cunningham. Suzahne is the secretary of the Shakuju Association of North America (SANA). She is certified to teach Shakuju therapy. She practices both acupuncture and Chinese herbal medicine in Arlington, MA, with an emphasis on Japanese style acupuncture and CHM herbal diagnosis and treatment.



James R. Roth, *PhD*

Courses/Clinics: Biochemistry; General Chemistry; Organic Chemistry; Physics

Jim Roth has managed analytical chemistry laboratories most of his professional career. After receiving his PhD from Cornell University, he managed a laboratory at Cornell that was responsible for the analysis of lunar samples. Upon leaving, he built his own laboratory in the Midwest, which he ran for eleven years before moving to Belmont, MA. Dr. Roth ran Alpha Analytical Laboratories in Westborough until his retirement in 2003. Dr. Roth continues to provide technical consulting for the Alpha Analytical Lab as well as other laboratories and the legal community.

Sharon Rubrake, *MD, LicAc*

Courses/Clinics: Japanese Acupuncture Styles Clinical Internship

Sharon Rubrake is a part-time Western medical doctor who also maintains a private practice specializing in Japanese acupuncture. Dr. Rubrake earned her MS degree in 1976 from the University of Akron in Ohio and her MD in 1978 from the Medical College of Ohio. She is a 1992 graduate of NESA.

Marcus Schulkind, *LicAc, DiplAc (NCCAOM)*

Courses Clinics: Clinical Case Management I; JAS: Clinical Application of Adjunctive Techniques; Japanese Acupuncture Styles Clinical Internship

A 1998 NESA graduate, Marcus Schulkind has worked as an assistant to Kiiiko Matsumoto and Diane Iuliano, studying the styles of Manaka, Shima and Kobayashi senseis. A choreographer of modern dance and ballet for over forty years, Marcus has been selected one of the ten best “dance choreographers of the year” five times by the Boston Globe. He has received numerous grants and prizes, and finds his unique blend of internal and external energies to be a wonderful balance in life.

Par Rufus Scott, *CMT, MAOM, LicAc*

Courses: History & Cultural Foundations of Chinese Medical Systems; Survey of Chinese Classic Medical Texts

Par Scott has been practicing massage and bodywork in Massachusetts for almost twenty years. Initially, he worked with performers and student dancers at Jacob’s Pillow Dance Festival, followed by members of the Boston Ballet, the Boston Symphony Orchestra and Riverdance performers while in Boston. He graduated from NESA in 2002 and started using Chinese herbal medicine and acupuncture as part of his practice, with a special focus on anxiety and insomnia conditions.

Par served as executive editor of the New England Journal of Traditional Chinese Medicine for three years, doing translation and editing, and is in the process of researching a book on the historical evolution of Chinese medical theory. He has been a consultant for the National Science Foundation Faculty Development Program and participated in the Harvard Yenching translation group. Par has a small private practice in Brookline, MA.

Robin Sessa, *MAOM, LicAc*

Courses/Clinics: Japanese Acupuncture Styles Clinical Internship

Robin graduated NESAs Dual track in 2001 with her MAOM and a concentration in Japanese style acupuncture. Since graduation, she has had the opportunity to continue her studies with several Japanese teachers in various Japanese styles. She is currently enrolled at NESAs to be certified in Kiiko Matsumoto style, to be completed in June of 2011. Robin has served as a teaching assistant, faculty member and clinical supervisor for Japanese Department at NESAs. Robin currently has a private practice in Arlington, MA that includes an Activator Chiropractor and Nutrition Counselor where she specializes in neck and back pain.

Prior to NESAs, she studied Speech Pathology and Environmental Studies at East Stroudsburg University, where she received her Bachelor of Science degree. After graduate work in Speech Pathology at St. Johns University, Robin practiced as a Speech Pathologist for twelve years with a primary focus on autism and developmental speech and language delays. Robin has been a fitness instructor/personal trainer since 1984.

Michael H. Short, *MAOM, LicAc*

Courses/Clinics: CHM: Formula Writing; Clinical Case Management I; Clinical Case Management II; Oriental Medicine Clinical Internship

After graduating from NESAs in 2000, Michael assisted with Tao Xie (Chinese herbs), Diane Iuliano (acupuncture), and Bill Helm (Tuina). He has been a staff herbalist at Pathways to Wellness, a staff acupuncturist at Winchester Hospital, and maintains a private practice in Newton, MA.

Wendy Tian, *LicAc, DiplCH (NCCAOM)*

Courses/Clinics: CHM: Pharmacopoeia I; CHM: Pharmacopoeia II

Wen (Wendy) Tian has been practicing acupuncture and herbal medicine for fourteen years. She graduated from Beijing College of Acupuncture with a bachelor's degree and majored in acupuncture. In 1994, she started to work full time as an acupuncturist in the Acupuncture Department of Beijing Haidian Hospital, where she supervised several groups of TCM students from Beijing College of Acupuncture. After coming to the US and getting licensed, Wendy began practicing acupuncture and herbal medicine in different Boston-area clinics. She has served as the principle acupuncturist at the Chi Wellness Longwood and Waltham clinics. Her specialties include facial paralysis, fertility, sports injury, dermatology and pain management. She has a private practice in Woburn, MA.

Marcie D. Troisi, *BA, MAOM*

Courses/Clinics: CAS Clinical Internships at Malden Family Medicine Clinic & NESAs

Marcie D. Troisi is a licensed and board certified acupuncturist and herbalist. She graduated from NESAs in 2004 with a Master's in Acupuncture and Oriental Medicine. She is licensed by the Commonwealth of Massachusetts Board of Registration in Medicine, is a Diplomate of Acupuncture certified by the National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM) and is certified in Auricular Acupuncture by the Auriculotherapy Institute. She is also a Certified Community Trauma Practitioner with Acupuncturists Without Borders where she travels to natural disaster sites to treat victims.



She founded Acupuncture of Winchester in 2004 and then co-founded Winchester Natural Health Associates in Winchester, MA where she has been the acupuncturist and herbal medicine practitioner since 2006. In her practice, Marcie utilizes Chinese and western herbs and supplements along with traditional Chinese acupuncture. She has served on the editorial staff of the New England Journal of Traditional Chinese Medicine, the Health & Wellness Ministry and Deaconate at First Congregational Church of Winchester and the Boards of Directors of several non-profits. Marcie was featured in The Boston Globe in March, 2006 and inducted into the Cambridge Who's Who Registry of Executives and Professionals in 2007.

Marcie has done post-graduate work in orthopedic and sports medicine as well as women's health. She is also a singer with several Boston area groups including the Sounds of Grace healing/hospice group.

Peter Valaskatgis, BAc, MAc, LicAc

Courses/Clinics: TCM Etiology and Pathology of Disease I; TCM Etiology & Pathology of Disease II, Chinese Acupuncture Clinical Elective

Peter Valaskatgis has been practicing acupuncture since 1979, utilizing mainly Chinese acupuncture and herbal medicine. He graduated from NESA in 1977, from the International College of Oriental Medicine (Sussex, England) in 1979 and from the "First International Course for Further Study on Acupuncture and Moxibustion" at Nanjing College of TCM in China in 1982.

Peter has been a faculty member of the CAS Department since 1981 and holds the rank of professor. Peter's research endeavors include consulting on the SHARP study, an acupuncture/hypertension study funded by the NIH that involved MGH and New England Research Institute. He also was a co-investigator for a multi-centered acupuncture/menopausal hot flash pilot study funded by the NIH, including MGH, Wake Forest School of Medicine and the University of North Carolina School of Medicine and has had multiple works published.

Peter M. Vernig, MA

Courses/Clinics: Patient-Provider Relationship

After receiving his bachelor's degree in psychology from the University of Colorado, Peter Vernig worked for several years in the community mental health system in Denver. He earned his master's degree in psychology from Suffolk University in Boston. Clinically, Peter focuses on substance use disorders and behavior change; he has worked with chronically mentally ill, substance misusing, and neurologically impaired individuals in a variety of inpatient, outpatient, and residential settings.

Peter's research focuses on emotional responding and substance misuse, and acceptance-based behavioral interventions. He has a strong interest in evidence-based practice development and implementation, and is an active advocate for scientific behavioral psychology. In addition to teaching at NESA, Peter teaches psychology and statistics at Suffolk University, where he is currently completing his doctorate in clinical psychology.

Bing Yang, *LicAc*

Chair, Chinese Herbal Medicine Department

Courses/Clinics: Advanced Needle Techniques; CHM: Patent Herbal Medicines; Chinese Acupuncture and Oriental Medicine Clinical Internship

Bing Yang earned both her Bachelor and Master of Traditional Chinese Medicine degrees from Beijing University of Chinese Medicine (BUCM) in China. After teaching and practicing at BUCM as an assistant professor and clinical doctor for several years, she moved to the United States. She has been the senior editor of New England Journal of TCM since 2003 and currently is the chair of the Chinese Herbal Medicine Department at NESAs.

Bing is the author of Chinese Medical Dietary Therapy for Cardiovascular Disease. She has published fourteen articles in top journals worldwide based on her clinical and research work. Bing currently maintains a private practice in acupuncture and Chinese herbal medicine in Brighton, specializing in treating pain, stroke, women's diseases and other difficult diseases.

Marilyn Yohe, *MAOM, LicAc*

Courses/Clinics: TCM Etiology & Pathology of Disease I & II

A 2004 graduate of NESAs, Marilyn has received advanced training in the Dr. Tan Balance method, Dr. Zhu's scalp acupuncture and treatment of neurological conditions and spinal cord injuries. In addition to teaching at NESAs, she provides in-service trainings on acupuncture for Harvard MGH Internal Medicine-Pediatrics residents. Marilyn also volunteers with the Boston Veteran's Community Acupuncture Project (VCAP), where she is working to establish a free acupuncture clinic for returning veterans from Iraq and Afghanistan. She enjoys educating the general public about Chinese medicine, and maintains a weblog with information on theory, treatment and self-help tips for health conditions. Marilyn maintains a private practice at Cambridge Health Associates in Central Square, where she offers acupuncture and Chinese herbal medicine.

Dongyan Yu, *LicAc*

Courses/Clinics: CHM: Patent Herbal Medicines; Introduction to Chinese Herbal Medicine; Chinese Acupuncture and Oriental Medicine Clinical Internship

Dongyan Yu earned her bachelor's and master's degrees in Chinese medicine from Zhejiang College of Traditional Chinese Medicine in China. She taught and practiced acupuncture and Chinese herbal medicine in China before moving to the United States.

Ms. Yu has been practicing acupuncture for over ten years in the Boston metropolitan area, utilizing both acupuncture and Chinese herbal medicine to treat patients. Her current practice is in Acton, MA.

Zhenzhen Zhang, *LicAc, DiplAc (NCCAOM)*

Courses/Clinics: Chinese Acupuncture and Oriental Medicine Clinical Internship

A medical doctor in China, Zhenzhen Zhang has eight years of training in both Chinese medicine and Western medicine. Since 1997 she has been practicing acupuncture and Chinese

herbal medicine at the North Shore Medical Center's Women's Health Center in Danvers, MA, where she specializes in the treatment of OB/GYN disorders. Zhenzhen is especially skilled in the treatment of external conditions, and commonly makes topical herbal formulas in her private clinical practice in Waltham, MA. There she practices acupuncture and Chinese herbal medicine for the treatment of both internal and external conditions.

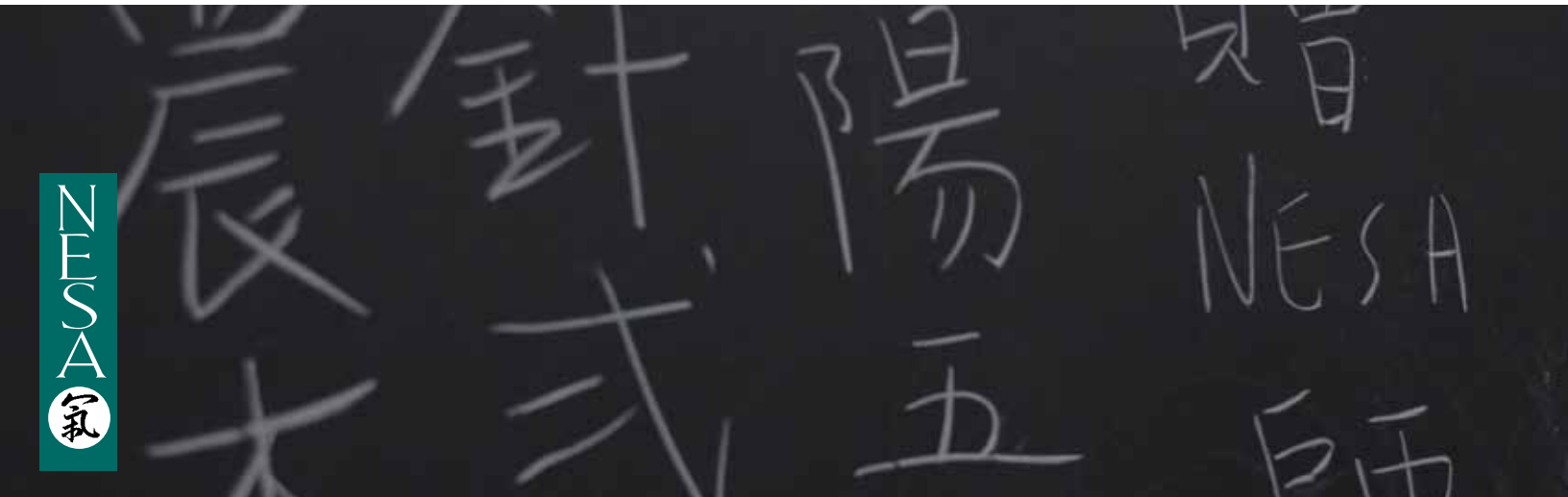
In addition, Zhenzhen teaches Chinese herbal medicine cooking classes and self-acupressure classes to the public. She is co-author of *Fusion Cookery, East Meets West*, published in 2006. Zhenzhen graduated from Hebei Medical College and the China Academy of Traditional Chinese Medicine, the leading institute for TCM in China. She has nearly thirty years of clinical experience in China, Japan and the United States.

Quan Zhou, LicAc

Courses/Clinics: Chinese Acupuncture and Oriental Medicine Clinical Internship

Quan Zhou has been teaching, researching, and practicing Chinese acupuncture for seventeen years in China, Singapore, and the Boston area, utilizing both Chinese acupuncture and herbs to treat patients. After graduating from Beijing College of Acupuncture and Orthopedics with her bachelor's in medicine, Quan was immediately hired by her college as an assistant professor and sent to the Great Wall Hospital for advanced clinical training. There she worked with one of the top Chinese auricular acupuncturists, Dr. Lichun Huang, and translated her book *Auriculotherapy - Diagnosis and Treatment* into English.

After moving to Singapore in 1995, Quan served as a core faculty member of Singapore Acupuncture College. In addition, she worked as an acupuncturist and herbalist in a private clinic, and as an acupuncturist in the research unit of the neurology department of Singapore General Hospital. Currently, Quan is teaching at NESA, translating the third edition of *Auriculotherapy - Diagnosis and Treatment*, and sees patients in Worcester. She is pursuing a Master of Science degree in human nutrition.



CORE CURRICULUM

ACTIONS AND EFFECTS OF THE POINTS OF CHANNELS I AND II

Prerequisites for I: Traditional Chinese Medical Theory II, Point Location II; Corequisites for I: TCM Etiology & Pathology of Disease I, Clinical Skills of TCM; Prerequisite for II: Actions & Effects I; Corequisites for II: TCM Etiology & Pathology of Disease II, Introduction to Chinese Acupuncture Clinical Internship I, TCM Lab II

Building upon the first year study of point location and meridian pathways, this course focuses on the energetic properties and functions of points and meridians. The points on each meridian are presented individually, as well as in comparison with other points on the same meridian and with points on other meridians sharing similar functions. Special groupings of points and their uses are discussed, and the general therapeutic domains of the channels are reviewed, including internal pathways and external meeting points. In addition, point prescriptions related to the conditions presented in the concurrent etiology and pathology courses are discussed in terms of individual and combined effects. Also reviewed are point categorizations, such as five phase functions, supplementation or dispersion, and cooling or warming. Finally, methods of combining points into effective treatment prescriptions are discussed in-depth and in reference to various systems of categorizing and relating points and meridians.

BUSINESS LAB

Corequisite: TCM Theory I

This course is designed to help new acupuncture students frame their career goals in acupuncture and Oriental medicine (AOM). A panel discussion of acupuncturists who practice in various types of settings will set the stage for students to craft their own career vision. Panelists will include acupuncturists who have private practices, and who work in multidisciplinary or integrative medical settings. Practitioners of community-style acupuncture will also be represented. Students will learn how to best use their time at NESAs to help them articulate and shape their career goals. Students will be encouraged to select assistantship and internship choices that help them articulate their own goals.

CHINESE NUTRITION

Prerequisite: TCM Theory II

This introductory course gives students a basic understanding of the role that food and diet play in the healing process. The energetic nature of food, from a traditional Chinese medical perspective is explored, as is the influence that diet/nutrition have on the organ/meridian systems. Course topics include the influence of the five flavors, the thermal nature of foods, the effects of different cooking and preparation methods, and how these can enhance treatment of acute and chronic conditions. Although this course mainly focuses on the Eastern energetic view of food, certain practical, related Western holistic healing modalities are also presented. Additionally, specific, commonly encountered TCM patterns that can be directly affected by diet are discussed.

CLINICAL ASSISTANTSHIP

Pre/corequisite: Materials & Methods of TCM I. Must be completed before beginning any Clinical Internship

The clinical assistantship program provides students the opportunity to observe the practice of acupuncture and Oriental Medicine within a clinical setting and exposes them to different practice styles and professional approaches. Students observe practitioners diagnose and treat patients using acupuncture, classical raw Chinese herbal formulas, as well as more modern preparations and combinations of Chinese herbal medicine. Students participate in the intake and evaluation process looking at the tongue, palpating the pulse and discussing diagnosis, treatment plans, acupuncture point selection and herbal formula selection with the practitioner. During the first two years of the program, MAc students complete 150 hours and MAOM students complete 180 hours (see course outline for recommended hours per term) observing and assisting licensed acupuncturists and Chinese herbal medicine practitioners in the NESAs Clinic and other clinical sites approved by NESAs.

CLINICAL CASE MANAGEMENT I AND II

Pre/corequisite for I and II: previous or current enrollment in Acupuncture Clinical Internship; Prerequisite for II: Clinical Case Management I

Designed to address issues and experiences that arise during clinical internships, this course explores cases presented by students and faculty. Discussions focus on diagnoses, various treatment plan options or techniques, the patient practitioner relationships, case management and referral, and general patient care issues. Students review methods and systems for planning, carrying out and evaluating treatments and prognoses.

CLINICAL INTERNSHIP

Prerequisites for CAS Clinical Internship: Introduction to Chinese Acupuncture Clinical Internship II, Traditional Chinese Medicine Etiology and Pathology of Disease III, CPR and Basic First Aid, Western Medical Pathophysiology and Pharmacology I and one additional term of Western Medical Pathophysiology and Pharmacology, Completed Clinical Assistantship Hours, Passing Grade on the Second Year Comprehensive Examination, attendance at Clinic Orientation in the Introduction to Chinese Acupuncture Clinical Internship II course. Psychological Issues of Patient Care is a pre/corequisite; Prerequisites for Japanese Acupuncture Clinical Internship: Introduction to Japanese Acupuncture Clinical Internship and passing grade on JAS Comprehensive Examination, in addition to prerequisites for CAS Clinical Internship; Prerequisites for combination acupuncture herb Clinical Internships: CHM: Formulas II, in addition to prerequisites for CAS Clinical Internships; Prerequisites for CHM only Clinical Internships: CHM Internal Medicine I, Introduction to CHM Clinical Internship and passing grade on CHM Comprehensive Examination, in addition to prerequisites for CAS Clinical Internships

Having extensively practiced clinical assessment and treatment skills, student interns begin to work directly with patients in clinical settings. Under close supervision, student interns assume responsibility for patients' care, including intake evaluations, diagnoses, structuring treatment plans, carrying out the treatments, and assessing progress. Interns also advise patients on health practices, arrange follow-up care and make referrals. Clinical Internships take place in the NESAs Clinic and at NESAs satellite clinics. Clinics may be scheduled at various times during the academic year and interns will be responsible for some patient recruitment.

Student interns who have successfully completed the Japanese Acupuncture Styles: Introduction to Clinic course may begin to treat patients with Japanese techniques. Dual and Japanese Acupuncture Styles Track students must complete at least three (but no more than six) Japanese style clinical internships.

Student interns who have successfully completed the CHM: Formulas II course may begin to treat patients with patent herbal medicine in combination with acupuncture. Student interns who have successfully completed the CHM: Internal Medicine I course will complete herb-only and combination internships where they prescribe patent herbs or write raw herb or powdered herbal formula prescriptions individually tailored to the patients' condition. During follow-up visits, interns assess changes in the patients' condition and make appropriate modifications to the treatment.

CLINICAL SKILLS OF TRADITIONAL CHINESE MEDICINE

Prerequisites: Diagnostic Skills of TCM, Traditional Chinese Medical Theory II, Materials and Methods of TCM II, Point Location II, Internal Exercise; Corequisites: Actions & Effects of the Points & Channels I, TCM Etiology & Pathology of Disease I, and passing grade on the First Year Comprehensive Examination

This course is designed to allow students to refine and expand their clinical skills. Practicing skills on each other in small groups under faculty supervision, students locate and needle various points. Students also practice patient evaluation and diagnosis using The Four Examinations, learn to analyze and organize signs and symptoms of disharmony, and are introduced to the actions and effects of frequently used points.

CPR AND BASIC FIRST AID

Certification must be current throughout all Clinical Internships

This course teaches basic emergency procedures used in first aid situations. Among topics covered are basic cardiopulmonary resuscitation (CPR), trauma, heat and cold injuries, burns, soft tissue injuries, bandaging and splinting techniques, and emergency childbirth. Upon successful completion of the course, students receive certification in CPR and Basic First Aid.



DIAGNOSTIC SKILLS OF TRADITIONAL CHINESE MEDICINE

Corequisite: Traditional Chinese Medical Theory II

One of the main tenets of the Taoist approach to healing is the close observation of nature. From this orientation comes the traditional emphasis on perceiving the patient through the Four Examinations. Through lectures and practice, students develop skills in the traditional methods of Chinese medical diagnosis: observation (wang), audio olfaction (wen), enquiry (wen) and palpation including pulse diagnosis (qie). Students learn to record medical histories, note observations and present signs and symptoms on Oriental medical intake forms. After brief lectures, students work in groups under faculty supervision to develop their perceptual sensitivities and clinical assessment skills.

HISTORY AND CULTURAL FOUNDATIONS OF CHINESE MEDICAL SYSTEMS

There are no prerequisites for this course.

This course links the various healing arts of Chinese medicine with the underlying concepts from which they emanated. The major philosophies of the pre-Han period - Shamanism, Confucianism, Taoism, Buddhism - and the concepts of qi, yinyang, microcosm macrocosm, and Five Element correspondences are examined in relation to the evolution of Chinese medical theory. The Nine Healing Arts of ancient China also are discussed. By studying the cultural, logical and theoretical foundations of Eastern medical systems, students explore how the culture in which a medical system evolves shapes theory and practice. Additionally, students are introduced to the major classic texts of traditional Chinese medicine, their effects on the evolution of medical theory, and their value today. With a focus on providing students with a foundation for understanding the evolution and pronunciation of Chinese medical terms, this course introduces the basic skills of Chinese character recognition and the Pin Yin system of Romanization. The recent evolution of acupuncture and Oriental medicine in China, the United States and other countries, the impact of Western science on Chinese medicine, and current professional trends in acupuncture are also covered.

INTERNAL EXERCISE

There are no prerequisites for this course.

Internal exercise techniques strengthen the body and build qi. Students are able to choose courses in Tai Chi or Qigong to complete the two credit requirement. These courses help students establish a regimen of health and cultivate a deeper awareness of the subtle qi within their own bodies.

INTRODUCTION TO CHINESE ACUPUNCTURE CLINICAL INTERNSHIP I AND II

Prerequisites for I: Clinical Skills of Traditional Chinese Medicine, passing grade on the First Year Comprehensive Examination, Actions & Effects of the Points & Channels I, TCM Etiology & Pathology I; Corequisites for I: Actions & Effects of the Points & Channels II, TCM Lab II, TCM Etiology & Pathology II; Prerequisite for II: Introduction to Chinese Acupuncture Clinical Internship I; Corequisite for II: TCM Etiology & Pathology III

In this second phase of the clinical training program, students begin applying the theory and clinical skills they have learned in classrooms and observed during their clinical assistantships. Students refine their diagnostic skills by practicing differential diagnosis, researching cases, and presenting case analyses. After establishing accurate diagnoses,

students articulate the treatment principles they are applying and identify appropriate treatment plans, including specific point prescriptions and other potential treatments. Under close faculty supervision, students refine their skills by practicing in small groups and on each other.

INTRODUCTION TO CHINESE HERBAL MEDICINE

Corequisite: Traditional Chinese Medical Theory II

This course introduces the history, development and application of Chinese herbal medicine, as well as basic botany and plant taxonomy. Covered are important traditional and contemporary herbal texts, traditional Chinese medical theory as applied to herbal medicine, and the basic concepts underlying the properties and functions of herbs: the four qis, five tastes, channel entry, functional tendencies and combination theory. Also covered are clinical application issues, such as the importance of accurate diagnoses, combining Chinese herbal and acupuncture treatments, toxicity, side effects and preparation methods.

INTRODUCTION TO JAPANESE ACUPUNCTURE STYLES

Corequisite: Point Location II

This course presents an overview of the historical and theoretical roots of Japanese acupuncture styles, along with their diagnostic and treatment techniques. Students also learn Japanese techniques for palpating the abdomen, identifying diagnostic patterns and assessing pulse qualities. Students work in small, supervised groups to practice these clinical skills and develop a basic understanding of the application of Japanese acupuncture.

LIVING ANATOMY AND STRUCTURAL ANALYSIS

Prerequisites: 6 credits of Human Anatomy & Physiology, and two additional science course requirements; Corequisites: Point Location I, Materials and Methods of TCM I

This course covers the main components of the musculoskeletal system, combining lecture with extensive hands on practice. Students learn the location, origin, insertion and action of all the major muscles, as well as the bones, bony landmarks, and ligaments. Basic structural analysis is introduced, so students can begin to see the postural patterns that often precede and underlie musculoskeletal imbalances and pain syndromes. In addition, some basic principles of orthopedic assessment are discussed and demonstrated.



MATERIALS AND METHODS OF TRADITIONAL CHINESE MEDICINE I AND II

Prerequisites for I: 6 credits of Human Anatomy & Physiology, and two additional science course requirements; Corequisites for I: Point Location I, Living Anatomy & Structural Analysis; Prerequisite for II: Materials and Methods of TCM I; Corequisite for II: Point Location II

Combining classroom lecture, demonstration and supervised practice in small groups, this two term course lays the foundation for acquiring clinical acupuncture skills. First, the basic concepts of microbiology are reviewed to promote an understanding of infection control.

Clean Needle Technique (CNT) and universal precautions, including the proper use of personal protective equipment. Proper sterilization procedures and maintenance of medical equipment and environments also are covered. Students develop the basic therapeutic skills of needle insertion, removal and manipulation for tonification and dispersion; direct and indirect moxibustion techniques; cupping; gua sha; plum blossom; electrical stimulation; and bloodletting. Special emphasis is placed on developing sensitivity to the patients' reactions to these procedures and responding to adverse treatment reactions. The importance of safe techniques and awareness of precautions and contraindications for various treatment methods are also covered.

MICROSYSTEMS OF ACUPUNCTURE TREATMENT

Prerequisite: Materials and Methods of TCM II

This course provides an overview of auricular and scalp acupuncture with a focus on the therapeutic potential within an overall acupuncture treatment program or when each modality is used alone. The physical structure of the body as it relates to each microsystem is studied in detail. Students learn how to locate microsystem acupuncture points and how points are linked physiologically with the internal organs. Students practice needling techniques and point location under faculty supervision.

NEEDLING TUTORIALS (OPTIONAL)

Co-Requisite: Materials & Methods

Needling skills are critical competencies for acupuncturists and key differentiators of top clinicians. These tutorials provide students working in small groups an opportunity for additional supervised needling practice (fee).



ORIENTAL BODYWORK THERAPY

Prerequisite: Point Location II

This course trains students to perform and apply a range of massage techniques in specific areas. Such techniques extend acupuncturists' treatment options for many problems and help develop palpation skills. The course consists of lecture, demonstration and practice.

ORTHOPEDIC ACUPUNCTURE

Prerequisites: Living Anatomy and Structural Analysis, Actions & Effects of the Points and Channels II; Co/prerequisites: TCM Etiology & Pathology of Disease II, Western Pathophysiology & Pharmacology II

This course focuses on the most common injuries and pain syndromes encountered in clinical practice. Diagnoses and treatment strategies are discussed for such conditions as low back pain, neck pain, frozen shoulder, tennis elbow, carpal tunnel syndrome, sciatica, hip pain, iliotibial band syndrome, knee and ankle injuries, and plantar fasciitis. By the end of this course, students have a basic understanding of the mechanisms and treatment of musculoskeletal trauma. For those who wish to specialize in this area, this course serves as a foundation for further study.

POINT LOCATION I AND II

Prerequisites for I: 6 credits of Human Anatomy & Physiology, and two additional science course requirements; Corequisites for I: Living Anatomy and Structural Analysis, Materials and Methods of TCM I; Prerequisite for II: Point Location I; Corequisite for II: Materials and Methods of TCM II

Through a combination of lectures, demonstrations and supervised practice in small groups, students learn the precise location of all acupuncture points on the twelve main channels, as well as the conception (ren) and governing (du) channels. A number of extra points not located on the major channels also are identified. Students locate points by palpating anatomical landmarks and applying a body measurement system based on the anatomical Chinese inch (cun). Also covered are proper needle depth, angle of insertion and contraindications. Students learn the English terms for the meridians and point numbers - a system of nomenclature adopted by the World Health Organization.

POINT LOCATION TUTORIALS I AND II (OPTIONAL)

Corequisite: Point Location I and II

These tutorials provide students working in small groups with an opportunity for additional supervised review and practice of point location skills (fee).

PRACTICE DEVELOPMENT AND BUSINESS MANAGEMENT

Prerequisite: Second Year Comprehensive Exam

Must be completed in the final Spring term of the program.

From the planning stages to daily business affairs, this course focuses on practical issues that arise in establishing and maintaining an acupuncture and/or Chinese herbal medicine practice. Scope of practice, business management, record keeping, accounting systems, marketing strategies, public speaking, office information systems and liability insurance are covered. Professional, ethical and legal issues relating to the practice of acupuncture and Chinese herbal medicine also are discussed. Experts discuss practice management issues and share their expertise.

PATIENT-PRACTITIONER RELATIONSHIP

Prerequisite: Psychology, Introduction to Chinese Acupuncture Clinical Internship

This course covers major diagnostic categories of psychological issues. Students learn to evaluate psychological health and identify cases in which referral for further assessment or treatment is indicated. Topics covered include basic assessment techniques, suicide risk, substance abuse, and survivors of trauma or abuse. Students learn skills for building rapport and trust, and for communicating effectively. Fundamental self awareness tools are identified, fostering selfcare of the healer.

RESEARCH I: DESIGN AND EVALUATION

There are no prerequisites for this course.

Through lecture, discussion and group projects, this course examines different approaches of qualitative and quantitative research. The assumptions underlying the broad traditions of research design selection and methodological considerations are discussed. Current literature on acupuncture research is discussed to provide students with an understanding of the special problems and requirements of modern acupuncture research. Students learn important research concepts, the vocabulary of research, various methods for conducting research, how to synthesize research literature, and how to formally report research findings.

RESEARCH II: MENTORED PRACTICUM

Required for students who are granted an exemption from the Research I: Design and Evaluation. For other students, this course can be taken as an elective following successful completion of Research I: Design and Evaluation. Students may take up to two terms to complete this course. Due to the independent study nature of this course, it is two credits and 90 hours.

This course provides firsthand experience in working on a research project. The first two 3-hour meetings refresh students' understanding of the fundamentals of research and special issues associated with research in complementary and alternative medicine (CAM), and to assist in the choice of the term research project. Students may work in small groups and are assigned a supervisor/mentor who is a faculty member from either NESAs or one of the collaborating institutions. The choice of a research topic is made in collaboration with the Research Faculty Advisor. The Research Department maintains opportunities for students to be involved in the forefront of exciting areas of CAM research. Students are expected to attend all NESAs research seminars during the terms that they undertake this course (approximately one per month), and to participate in regular group meetings involving the review of relevant research literature. The primary assessment tools include a written paper of publication standard and the presentation of a seminar.

SURVEY OF CHINESE CLASSIC MEDICAL TEXTS IN TRANSLATION

Prerequisite: History and Cultural Foundations of Chinese Medical Systems

By comparing Chinese medical texts, students begin to develop familiarity with the origins of Chinese medical practice. Through selected readings, students explore the development of acupuncture and Oriental medicine strategies. These readings form the basis for examining treatment strategies in modern clinical settings, and for understanding the conceptual basis of modern Oriental Medicine.

TRADITIONAL CHINESE MEDICAL THEORY I AND II

Prerequisite for II: Traditional Chinese Medical Theory I; Corequisite for II: Diagnostic Skills of Traditional Chinese Medicine

As an essential foundation for understanding Chinese medical theory and its use in the diagnosis and treatment of disharmony and disease, this course first covers the basic concepts of Chinese medicine - Tao, qi, yin and yang, the Five Element correspondences and their cycles known as wu xing - and how they relate to human health. Building on this foundation, students learn the significance of Signs and Symptoms of Disease by studying various approaches to diagnoses. These approaches include the Eight Principles (ba gang), the Fundamental Substances (qi, jing, shen, xue, and jinye), the functions and interrelationships of yin (zang) and yang (fu) organs, meridian theory, the Five Elements, the Six Stages and the four levels of disease progression. Among other topics covered are the etiology of disease - including the Six External Evils (liu yin), Seven Emotions (qi qing) and the Neither Internal nor External Causes (bu nei wai yin) - as well as syndrome differentiation, the four methods of diagnosis, treatment principles and the functional categories of points.

TRADITIONAL CHINESE MEDICINE ETIOLOGY AND PATHOLOGY OF DISEASE I, II, AND III

Corequisites for I: Actions & Effects of the Points and Channels I, Clinical Skills of TCM;

Corequisites for II: Actions & Effects of the Points and Channels II, TCM Lab II, Introduction to Chinese Acupuncture Clinic I;

Corequisite for III: Introduction to Chinese Acupuncture Clinic II

In this three-course sequence, students learn to diagnose and treat a number of common illnesses from the perspective of TCM. Differentiation of syndromes is emphasized as students learn to identify signs and symptoms that characterize each diagnosis. Treatment strategies and point prescriptions are covered for all the conditions. Clinical research findings are included for many conditions, establishing a foundation for evidence-informed practice.

WESTERN NUTRITION

There are no prerequisites for this course.

In this introductory course, students receive an overview of the healing properties of foods, nutrients such as vitamins and minerals and specific diets. The functions of various nutrients, in what food they are found, and how they impact health are discussed. Students gain a better understanding of the clinical uses of specific diets and nutritional supplements used by many holistic practitioners.

WESTERN PATHOPHYSIOLOGY & PHARMACOLOGY I-IV

Western P&P I is prerequisite to all other courses in the series. All other courses in the series may be taken out of sequence

A survey of Western medical history and its major areas of specialization are essential for appropriate referrals to Western medical providers and for effective communication.

Throughout this course series, students survey each of the major body systems to develop an understanding of the physiological process, as well as the signs and symptoms of illnesses as diagnosed and treated from a Western medical perspective. The nature and clinical relevance of various conditions, as well as Western medicine's clinical diagnostic techniques are discussed. Pharmaceuticals used in treatment are covered according to their category, effect on physiological functions and possible interactions and side effects. Students learn to recognize signs and symptoms that differentiate emergency and life threatening conditions - which should be referred to a Western medical practitioner - from other conditions properly treated with Oriental medicine.



The following courses are required for students in the Japanese Acupuncture Styles Track and Dual Track.

SHAKUJU

Prerequisite: JAS: Root Treatment Strategies I; May be taken as elective by non-JAS Track students on a space-available basis if they have completed JAS: Root Treatment Strategies I. Based on the lifelong work of Shoji Kobayashi, Shakuju encompasses the palpation of both the radial pulse and abdomen as derived from the classic Nan Jing. Treatment strategy focuses on the back shu points, specific sequences, and needle techniques. This course has both didactic and practical components.

JAS: CLINICAL INTERNSHIP

See description under Core Curriculum

JAS: INTRODUCTION TO CLINIC

Prerequisites: Introduction to Chinese Acupuncture Clinical Internship II, JAS: Root Treatment Strategies I and II, JAS: Local Treatment

In preparation for using Japanese acupuncture modalities in Acupuncture Clinical Internship, this course includes practice in meridian style five phase and Manaka ion pumping cord style diagnosis and treatment. Students practice intake, diagnosis and treatment skills and practice on each other in small, supervised clinical groups, which imitate an actual clinical setting. This intensive practice allows students to refine their Japanese acupuncture and treatment planning skills.

JAS: LOCAL TREATMENT

Prerequisites: JAS: Root Treatment Strategies I and II

Based on classical theories of Oriental Medicine and modern information about disease and healing, this course focuses on the application of techniques used to resolve symptoms. Through the practice of careful palpation and the consideration of diagnostic and treatment points, students learn the most appropriate techniques for achieving symptomatic change.

JAS: ROOT TREATMENT STRATEGIES I (HONCHIHO)

Prerequisite: Introduction to Japanese Acupuncture Styles. Point Location II, Materials and Methods of Traditional Chinese Medicine II; may be taken as an elective by Chinese Herbal Medicine students on a space available basis.

This course provides students with the theoretical foundations and application of two predominant therapeutic styles of Japanese Acupuncture: Meridian 5 Phase and the Extraordinary Vessels (one form of polarity treatment). Students will learn to diagnose using pulse and abdominal palpation in combination with visual and verbal signs and symptoms, which form specific treatment strategy patterns. This course helps students refine their diagnostic skills and increase sensitivity and ability to distinguish patterns. Extensive hands on practice in small groups is included. Students will learn more about Japanese style materials and methods such as needling with an insertion tube, tonification and dispersion needling techniques and various moxibustion techniques.

JAS: ROOT TREATMENT STRATEGIES II (HONCHIHO)

Prerequisite: JAS: Root Treatment Strategies I; may be taken as an elective by Chinese Herbal Medicine students on a space available basis.

This course provides students with an expanded and continued outlook of root treatment strategies, and incorporates an in-depth study of detailed clinical applications in Case Review. The hands on portion of this course will promote the ability to diagnose JAS Meridian 5 Phase, Extraordinary Vessels and Extra Channel Polarizations.



The following are required for students in the Chinese Herbal Medicine Track and Dual Track.

CHINESE HERBAL MEDICINE: CLINICAL INTERNSHIP

See description under Core Curriculum

CHINESE HERBAL MEDICINE: CLINICAL PHARMACOLOGY

Prerequisite: CHM: Internal Medicine II

This course introduces some basic principles of pharmacology in major Chinese herbs and traditional formulas that are used in clinical practice. In addition, toxicology in Chinese herbal medicine is discussed and drug-herb interaction issues are presented. This course provides students with general understanding of pharmacotherapy as it relates to clinical application. The course highlights major herbal classifications with emphasis on the general therapeutic rationale for herbal therapy, mechanisms of action, pharmacokinetic concepts and pharmacodynamic principles. Students gain a preliminary understanding of pharmacological properties of some selected Chinese herbs and classical formulas, as well as some potential adverse reactions and drug-herb interactions.

CHINESE HERBAL MEDICINE: FORMULAS I AND II

Prerequisite for I: CHM: Pharmacopoeia II; Prerequisite for II: CHM: Formulas I; Corequisite for II: CHM: Patent Herbal Medicine

Having achieved a solid foundation in the properties and functions of individual herbs, students begin studying traditional Chinese herbal formulas and their clinical applications. Students learn more than 150 formulas by their Pin Yin and English names, constituent ingredients, how those ingredients relate and interact, the primary and secondary functions of each prescription, and possible modifications. Formulas readily available as patent medicines are covered. Ingredients, form, effects, range of traditional applications, dosage, indications and contraindications also are discussed.

CHINESE HERBAL MEDICINE: INTERNAL MEDICINE I AND II

Prerequisites for I: CHM: Formulas II, CHM: Patent Herbal Medicine; Prerequisite for II: CHM: Internal Medicine I

This course explores the theoretical basis for herbal treatments of various conditions in internal medicine, such as cough, asthma, diarrhea, constipation, jaundice, hypertension, diabetes, edema and others. Special emphasis is placed on understanding the theoretical basis of diagnoses and selecting and modifying formulas.

CHINESE HERBAL MEDICINE: FORMULA WRITING

Prerequisites: CHM: Formulas II, CHM: Patent Herbal Medicine; Corequisite: Internal Medicine I

This course introduces students to writing individual formulas. Students begin by working with simple formulas and progress to more complex formulas throughout the course. Building on the base formulas learned in CHM: Formulas I and II, students learn the elements of formula modification; including such criteria as herb dosages, chronicity and severity of patients' pathology, etc.

CHINESE HERBAL MEDICINE: PATENT HERBAL MEDICINE

Prerequisite: CHM Formula I; Corequisite: CHM Formulas II

This course covers the patent formulas most commonly used in the United States today, including modern adaptations of classic formulas produced by several American and European companies, and newer formulas developed in China which are available in the United States. Discussion focuses on the composition of patent herbal medicines, actions and effects of the classic formula bases, and on a comparison of the modifications used in various brands. Students learn to select the most appropriate products to achieve optimum treatment results.

CHINESE HERBAL MEDICINE: PHARMACOPOEIA I AND II

Prerequisites: Introduction to Chinese Herbal Medicine and Pharmacopoeia I, respectively

As a basic foundation for the study of Chinese herbal medicine, students study more than 300 individual herbs. To gain a comprehensive understanding of each herb, students learn its name in Pin Yin and English, as well as its botanical name, character, taste, channels, main functions, precautions and methods of preparation. Recent research pertaining to individual herbs is also covered.

CHINESE HERBAL MEDICINE: DISPENSARY ASSISTANTSHIP

Prerequisite: Introduction to CHM; must be completed before the start of CHM: Formulas II; Pre/corequisites: CHM: Pharmacopoeia I, CHM: Pharmacopoeia I and/or CHM Formulas I

By assisting in the NESAs Herbal Dispensary, students become familiar with the properties of individual raw herbs, and practice preparing herbal combinations prescribed by practitioners. Students also learn proper herb storage and handling techniques, how to assess the quality of raw herbs, and how to use powdered herbs.



Students in the Acupuncture Track are required to complete six credits of elective coursework. CHM Track students take four credits, and elective courses are optional for Dual Track and Pain Management students. These electives are offered to third year students. Second year students who meet the prerequisites may take electives on a space available basis. Elective offerings vary from year to year and are two credits unless otherwise indicated.

ELECTIVES

ADVANCED NEEDLE TECHNIQUES

Prerequisites: Actions & Effects of the Points and Channels II

This course explores advanced Chinese needle techniques, with didactic presentations as well as needling practice. Special needling techniques presented and practiced include those used for tonification and dispersion, complicated needling technique and electroacupuncture. The course also covers acupuncture techniques, point combinations and ancient acupuncture cases from the classic “Great Compendium of Acupuncture and Moxibustion”.

CHM ELECTIVE: HERBAL ALTERNATIVES TO DRUGS

Prerequisites: 3rd year student, currently studying CHM Internal Medicine and/or Clinical Internship

In this intensive, 0.5-credit course, students will learn herbal alternatives for commonly prescribed medications. Students will learn indications, mechanism of action, pharmacokinetics and side effects of medications and herbs. Use of herbs to help manage medication side effects will be discussed as well as herbs as possible replacements for drugs.

CHM ELECTIVE: HERB-DRUG INTERACTIONS

There are no prerequisites for this course.

In this 0.5-cr intensive, students will learn how to safely manage potential herb-drug interactions. Herbs that are most likely to interact with medications will be identified. Possible adverse reactions will be identified and safe strategies discussed. Students will examine current research on safety of Chinese Herbal Medicine.

CHM ELECTIVE: HERBAL CASE STUDIES

Prerequisite: 3rd year standing

This course includes discussion of differential diagnosis and treatment strategy, utilizing written cases presented by the instructor. Cases will illustrate complex conditions commonly seen in practice.

CHRONIC PAIN: A MULTIDISCIPLINARY APPROACH TO A COMPLEX PROBLEM (1 CR)

Prerequisites: TCM Etiology & Pathology III

Chronic pain is the most challenging problem faced by any health practitioner. Although considerable progress in the neurophysiology of pain has led to a variety of innovative new treatments, the fact remains that only a small percentage of chronic pain sufferers find adequate relief over the long term. It's no wonder then that patients in persistent pain fill the waiting rooms of busy acupuncturists. This short course is designed to introduce students to the complex phenomenon of persistent pain from the multidisciplinary perspective it deserves. After exploring the neuroanatomic, neurophysiologic, pharmacologic, psychology and sociologic aspects of pain, students will gain sufficient insight to judge for themselves when an allopathic approach serves patients well and why it often seems to come up short. This course is taught primarily by guest lecturers from the Tufts University School of Medicine's Master's Program in Pain Research, Education and Policy.

EXPERIENCE, EXPERIMENTS AND THE SOUL

Prerequisite: Third year standing

This one credit elective course is a series of lectures, discussions and exchanges on some of the fundamental philosophic, epistemological and clinical care questions of Oriental medicine. It explores how the practitioner of Oriental medicine "knows" what the optimal and "correct" treatment is, evaluates efficacy and understands how treatments influence human life. This perspective of Oriental medicine is contrasted with how Western biomedicine grapples with such issues of fact and values, body and mind, disease and illness, experience and experiments, objectivity and subjectivity. The question of how the Oriental medical concept of "soul" (linghun) provides the framework for the psycho spiritual perspective of Oriental medicine is examined. The impact of this framework is practically evaluated in some very common herbal and acupuncture prescriptions so that students will have an opportunity to reconceptualize previously mastered material. The traditional Oriental perspective on the patient physician relationship and its impact on healing is studied. The course also critically inspects biomedicine and scientific research methods from the perspective of Oriental medicine. This is an opportunity for students to develop and reflect upon their own understanding of Oriental medicine and to self-examine their own "knowing" and "feelings." It is assumed that such a deliberate reflexive process will provide the basis for students to become more competent and powerful healers.

GREAT PHYSICIANS OF TCM AND BIOMEDICINE

There are no prerequisites for this course.

Great physicians of the past developed new theories and treatment principles based on the needs of patients during their era. They contributed their lifetime's clinical experience to the treasure of our medical knowledge base. Students will learn about their lives and great works and be inspired by their passion to become a great practitioner of the future. Discussions will be focused on seven schools of thought: Cold Damage, Cooling School, Zang-Fu Pattern Differentiation School, Expel Excess School, Yin Nourishing School, Warm-tonifying School, and Febrile Diseases School. Understand the historical perspectives of biomedicine and TCM and opportunities for integration.

HOSPICE AND PALLIATIVE CARE FOR THE ACUPUNCTURIST (1 CR)

There are no prerequisites for this course.

This course prepares students to work with patients at the end of life, their families and caregivers. The course covers the history of hospice, medical practices in palliative care, and the role of the clinician in dealing with grief, death, and dying. Students will be prepared to serve on a hospice integrative medical team.

INTEGRATIVE MEDICINE PRACTICE AT BOSTON MEDICAL CENTER (1 CR)

There are no prerequisites for this course.

Boston Medical Center (BMC) is the largest safety net hospital in New England, serving more than a quarter million people annually regardless of the patient's ability to pay. Encompassing a range of ethnic, religious, and culturally diverse communities, the hospital serves populations that include: minorities, economically disadvantaged, women, children, cancer survivors, refugees, asylum seekers, and torture victims. This course addresses the opportunities and challenges of integrative care and the role of acupuncture in medicine and public health.

JAS ELECTIVE: CLINICAL APPLICATION OF ADJUNCTIVE TECHNIQUES

Prerequisites: JAS: Local Treatments

This course will enhance local treatment strategies for difficult/challenging clinical pathologies. The course will have both didactic and practical components. A comprehensive lecture will be followed by demonstration from the faculty, and then students will practice, treating each other. Topics will include Adrenal Exhaustion, Thyroid Disorder, Oketsu, Carpal Tunnel, and musculoskeletal pain/problems. Modalities explored will include use of the Hibiki-7 (outside of Divergent Channel treatment), Magnets, Manaka Hammer and Needle (dashin), Pachi-Pachi and Low Level Laser. Students are required to purchase 800 gauss magnets and Manaka Hammer and Needle.

JAS ELECTIVE: DIVERGENT CHANNELS & COMPREHENSIVE TREATMENT STRATEGIES

Prerequisite: JAS: Root Treatment Strategies I and II

Divergent Channels are introduced in Chapter 11 of the Ling Shu. They are deep, internal channels, which complete the network of yin/yang relationships and strengthen the exterior-interior relationship of the twelve regular channels. This class will incorporate 5 phase meridian therapy, Extra channel polarization therapy (including 8 Extraordinary Vessels) and the Divergent Channels. Diagnostically, Akabane testing of the jing well points and palpation of the pulse and abdomen will lead practitioners to a unique treatment strategy that will expand the range of clinical application. This course has both didactic and practical components.

JAS ELECTIVE: PULSE DIAGNOSIS LEVEL 123

Pre-requisites: JAS or Dual track, second or third year standing

This advanced course teaches a step-by-step process, based on the Nan Jing and Classic Pulse, of assessing six pulse positions to determine pulse strength and pulse quality, using pulse for diagnostic purposes as well as for feedback on effects of treatment. This course is a treasured opportunity to study with Kuwahara sensei, acquiring skills that will be immediately useful, with every patient.

MAINTAINING LIFE: HEALTHY LIVING FOR ACUPUNCTURE STUDENTS

Prerequisite: 1st year in NESA acupuncture program. strongly recommended for new students

In this experiential class, students learn stretching, movement, breathing, and meditative exercises to protect and enhance their own health and vitality and provide direct and immediate experiences of fundamental concepts of Chinese medicine, such as qi cultivation. Students will learn the pathways and directionality of acupuncture meridians, while treating one another using Shiatsu and Acupressure, and receiving treatment themselves.

ORTHOPEDIC PHYSICAL ASSESSMENT I AND II

Prerequisites for OPA I and II: Living Anatomy and Structural Analysis, Orthopedic Acupuncture: familiarity with muscle actions, origins and insertions required. OPA I is not a prerequisite to OPA II

This course focuses on performing an orthopedic physical assessment of the upper body. A review of dermatomes, myotomes and structural anatomy is included. Emphasis is placed on taking a history, palpation skills, manual muscle testing and performing special tests. This course includes a lab component. Where applicable, acupuncture methods are discussed.

PEDIATRICS INTENSIVE: WHEN SHEN ENCOUNTERS JING/ EXPLORING PEDIATRICS FROM EASTERN AND WESTERN PERSPECTIVES (1 CR)

There are no prerequisites for this course.

This course demonstrates an integrative medicine approach to pediatrics. Students learn unique characteristics of children and how these guide TCM diagnosis and treatment, as well as biomedical perspectives on common pediatric illnesses, including autism, hyperactivity, colic and other GI disorders, otitis media, and asthma.

RESEARCH II: MENTORED PRACTICUM

Prerequisites: Research I (Research Design and Evaluation)

See description under Core Curriculum. Offered as a two credit, 90 hour elective to those who have completed Research I.

RESEARCH III: OFFSITE MENTORED PRACTICUM

Prerequisites: Research II

This two credit, 90 hour elective research experience may be completed over two terms after completing Research I: Design and Evaluation. This course can be taken as an elective following successful completion of, or exemption from, Research I: Design and Evaluation. Please note that students who are granted an exemption from Research I: Design and Evaluation must take the Research II: Mentored Practicum course.

During the Research III: Offsite Mentored Practicum, students spend some of the required hours in the field and some of the required hours doing background research and preparation. The exact distribution of field or background hours is dependent upon the specific nature of each project. The student must submit a two page proposal and letter of support from the proposed offsite supervisor of the project at least one month before the beginning of the term when the OMP will begin. The student will then be assigned a co-supervisor from the NESAs Research Department who will meet regularly with the student and monitor progress of the project. The primary assessment tools will be a written paper of publication standard and the presentation of a seminar.

The primary difference between this course and the Research II: Mentored Practicum is that this course is for research that is undertaken completely separately from any NESAs associated research projects. The NESAs research department will, however, maintain a supervisory involvement with projects undertaken through the Research III: Offsite Mentored Practicum.

SHIATSU

There are no prerequisites for this course.

This course is an introduction to the principles of Shiatsu - moving from one's center, applying appropriate pressure, and sensing an energetic change. This hands on course helps to develop palpation skills. The aim is to develop an awareness of the sensitivity of the hands in feeling the qi, in discerning imbalances in the meridians and in promoting energetic flow in the meridians. This course concentrates on working the yang meridians through Shiatsu techniques using the palm, thumb, elbow and knee. Acupressure point combinations are taught for releasing the neck, shoulders and back.

SOTAI

There are no prerequisites for this course.

This course gives the student a theoretical and practical understanding of the basic application of Sotai Therapy for self and clients. Students, upon completion of this course, should have the skills and knowledge to apply basic Sotai techniques in clinical situations to enhance the effectiveness of their treatments.

Completion of Anatomy and Physiology I and II plus two other science courses are required prior to beginning any full time NESAs degree program.

Program corequisite science courses are typically offered during the academic year as follows:

Fall Term:

- Anatomy and Physiology I
- General Chemistry
- Organic Chemistry
- Physics
- Microbiology

Spring Term:

- Anatomy and Physiology II
- Organic Chemistry
- Biochemistry
- Physics

Summer Term:

- Anatomy and Physiology Intensive
- Biochemistry
- General Biology
- General Chemistry
- Microbiology

ANATOMY AND PHYSIOLOGY I AND II

Prerequisite for Anatomy and Physiology II: Anatomy and Physiology I

Using a systematic approach to human anatomy and physiology, this course focuses on the normal functioning of the human body. Students study the skeletal, muscular, endocrine, respiratory, cardiovascular, digestive, reproductive, urinary and nervous systems. The two part course is offered during the fall and spring terms or as a summer intensive.

BIOCHEMISTRY

Prerequisite: Organic Chemistry

This course applies the concepts presented in general and organic chemistry to living organisms, and relates them to the pathophysiology of nutrition disorders and major metabolic syndromes. The course begins with the study of cell biochemistry and homeostasis, the transmission of information via hormones and neurotransmitters, regulation of osmolarity and pH balance of body fluids. Focusing on the structure, function, synthesis and degradation of carbohydrates, proteins, lipids and nucleic acids, students also develop an understanding of how biomolecules interact to provide the organism with the nutrition, homeostasis and energy necessary for health.

GENERAL BIOLOGY

There are no prerequisites for this course.

This survey of life systems lays the foundation for the study of human anatomy, physiology and health. The course begins with the study of cellular structure, metabolism and reproduction, and proceeds to the study of tissues and more complex organisms, such as plants and vertebrates. Also covered are genetics, evolution, ecology and the interrelationships between organisms and their environments.

This course is the first in a series of three chemistry courses that delve into the molecular basis of life, which is the foundation (from a Western medical perspective) for the study of human physiology and the mechanisms of health and disease. Topics covered include the structure and properties of atoms, and how different interatomic forces create and stabilize different types of molecules. Basic concepts such as chemical equations, equilibria, the law of mass action, the properties of solutions, and acid base and redox reactions which are key reactions for the survival of organisms are covered.

GENERAL CHEMISTRY

There are no prerequisites for this course.

This course is the first in a series of three chemistry courses that delve into the molecular basis of life, which is the foundation (from a Western medical perspective) for the study of human physiology and the mechanisms of health and disease. Topics covered include the structure and properties of atoms, and how different interatomic forces create and stabilize different types of molecules. Basic concepts such as chemical equations, equilibria, the law of mass action, the properties of solutions, and acid-base and redox reactions which are key reactions for the survival of organisms are covered.

GENERAL PHYSICS

There are no prerequisites for this course.

This introductory course follows the historical evolution of physics. After an introduction to mechanics, students investigate electrostatics, electricity, magnetism, light and contemporary physics. Through demonstrations and experiments, students develop an understanding of how physical laws relate to the world. Students also learn assessment techniques, including quantitative reasoning and conceptual problem solving.

GENERAL PSYCHOLOGY

There are no prerequisites for this course.

This course surveys historical and contemporary approaches to the scientific study of human behavior. It provides an introduction to sensation, perception, and emotion; human development and learning; and personal and social influences on behavior, personality and psychopathology.

MICROBIOLOGY WITH LAB

Prerequisite: General Biology

This practical course for health care practitioners focuses on the microorganisms relevant to clinical practice, the body's defense responses and methods of preventing disease transmission. Combining lecture and laboratory study, this course also covers the characteristics, activities, distribution, and effects of specific pathogenic organisms on the body. (Lab included.)

ORGANIC CHEMISTRY

Prerequisite: General Chemistry

This course, the second in the chemistry series, covers characteristic structures, physical properties, functional groups, and reactions of the different families of compounds. Reactions with acids, bases and redox agents as they occur in carbon based life forms are also studied.

STAFF LISTING

Name	Title	Ext.	Email
Allard, Craig	Director of Student Affairs	110	callard@nesa.edu
Allen, C.J.	Half-time Faculty	124	cjallen@nesa.edu
Bellavance, Michelle	Special Projects Assistant	707	mbellavance@nesa.edu
Blalock, Jeanette	Controller	111	jblalock@nesa.edu
Carroll, Sheila	Director of Clinic and Bookstore Operations	107	scarroll@nesa.edu
Cina, Stephen	Chair, Orthopedic Acupuncture Department	106	scina@nesa.edu
Conboy, Lisa	Co-Director of Research Department	145	lconboy@nesa.edu
Continuing Ed.	CE Office	112	ceinfo@nesa.edu
DOD Grant	Research Office	269	
Dubois, Sara	Marketing Coordinator	270	sarapb@nesa.edu
Dunn, Julie	Co-Director of Research Department	144	jdunn@nesa.edu
Faculty/TA Conf Rm		128	
Front Desk	Admin Staff (Lilly Goncalves)	100	frontdesk@nesa.edu
Gorman, Susan	Executive Dean & Chief Operating Officer	374	sgorman@nesa.edu
Hamilton, Catherine	Director of Admissions	105	chamilton@nesa.edu
Hartman, Jennifer	Director of Library Services	116	jhartman@nesa.edu
Hellar, Sharron	Financial Aid Office	150	shellar@nesa.edu
Hull, Amy	Director of Program Development	222	ahull@nesa.edu
Jaxon, Jane	Director of Institutional Affairs	117	jjaxon@nesa.edu
Johnson, Keirsa	Academic Affairs Coordinator & Registrar	273	kjohnson@nesa.edu
Kidder, Steve	Special Projects Assistant	375	skidder@nesa.edu
Library	Library	131	library@nesa.edu
O'Connell, Peg	Accounting Assistant	266	poconnell@nesa.edu
Research	Research Office	276	
Rouleau, Denise	Proposal Development/Research Administration Specialist	123	drouleau@nesa.edu
Scarmoutzos, Elaine	Continuing Education Manager	114	escarmoutzos@nesa.edu
St. John, Meredith	Academic Dean	118	mstjohn@nesa.edu
Student Lounge		103	
Tech Closet		133	techsupport@nesa.edu
Teo, Lynn	Alumni Affairs Coordinator	115	lteo@nesa.edu
Yang, Bing	Chair, CHM Department	119	byang@nesa.edu
NESA Clinic			
Clinic Front Desk	Clinic Staff	200/201	
Carroll, Sheila	Director of Clinic and Bookstore Operations	209	scarroll@nesa.edu
NESA Dispensary			
Haines, Brock	Chinese Herbal Dispensary Manager/IT	202	bhaines@nesa.edu
CHM Dispensary staff	Kitchen Extension	204	
CHM Dispensary		211	
NESA Address	NESA Other Numbers	NESA Clinic Address	
150 California Street	Bookstore: 617-558-9641	150 California Street	
Newton, MA 02458	Kelly Library: 617-969-3969	Newton, MA 02458	
Phone: 617-558-1788		Phone: 617-558-6372 x200	
Fax: 617-558-1789		Front Desk Fax: 617-467-3056	
		Pharmacy Fax: 617-467-3055	