

A. Programme Specification and Curriculum Map for Integrated Masters in Complementary Medicine – Ayurvedic Medicine

1. Programme title	Integrated Masters in Complementary Medicine – Ayurvedic Medicine
2. Awarding institution	Middlesex University
3. Teaching institution	Middlesex University
4. Programme accredited by	None
5. Final qualification	M.CM (Ayurvedic Medicine)
6. Academic year	2011/12
7. Language of study	English
8. Mode of study	Full-Time/Part-Time

9. Criteria for admission to the programme

Applications are welcomed from school leavers and mature students. The student body is diverse and varied in age, background and work and study experience. While formal educational qualifications are important, in particular evidence of in depth study of biological sciences, applicants are also assessed on the basis of their social skills, ability to communicate clearly and sympathetically, and to develop into competent and caring Ayurvedic practitioners. All applicants will therefore normally be interviewed prior to the offer of a place on the programme being made.

Normal entry requirements are:

- a minimum of three A levels (including one science subject at Grade C, preferably Biology or Human Biology) as well as a minimum of five GCSEs (grades A-C), including Mathematics, English Language and a science subject;
- or an overall pass with distinction at BTEC National Certificate or Diploma in science subjects (including passes in English and Mathematics)
- or a science based or health Access course which includes biology and chemistry (including evidence of equivalent studies in GCSE English and Mathematics).

Mature applicants may be accepted, but must produce evidence of recent study with knowledge of biology or human biology and will require a formal interview. General entry requirements for the university as a whole are listed in the university undergraduate prospectus.

Applicants to the programme are encouraged to consider whether they may be eligible for APL. Successful applicants with previous study or experience may wish to join the programme with appropriate advanced standing, and may present the university with general advanced credits in science based programmes from other universities, in Ayurvedic/herbal medicine studies, or in research.

10. Aims of the programme

The overarching aim of the programme is to provide education and training to produce graduates who will be competent, safe and caring in using Ayurvedic Medicine. Specifically, this programme aims to:

- provide students with advanced knowledge and skills to enable them to practice professionally and independently as practitioners of Ayurvedic Medicine and to equip them to play a leading role within the Ayurvedic profession.
- underpin the Ayurvedic teaching with sufficient knowledge and understanding of current

- orthodox medical anatomy, physiology, pathology, pharmacology, and diagnostic processes and procedures.
- allow students to acquire the competence and experience to effectively manage patients using a range of Ayurvedic treatments and herbs, notably Ayurvedic therapeutic massage, nutritional therapy, stress management, Ayurvedic diagnosis and herbal prescriptions.
 - ensure that students are able to provide safe, legal and ethical care for their patients using Ayurvedic Medicine.
 - facilitate the development of student's intellectual and imaginative powers, understanding and judgement, and problem solving and counselling skills through autonomous learning.
 - assist students to become critical, analytical and reflective therapists.
 - enable students to be responsible for their own personal and professional growth, through a programme of Continuous Professional Development (CPD).
 - ensure students are able to utilise a holistic approach in the delivery of patient care based on the philosophy and science of Ayurveda.
 - facilitate Ayurvedic research, and to enable students to utilise research findings from many disciplines in providing high-quality health care.
 - to develop students' critical, analytical and reflective capabilities within a wider healthcare field

11. Programme outcomes	
<p>A. Knowledge and understanding On completion of this programme the successful student will have knowledge and understanding of :</p> <ol style="list-style-type: none"> 1. Professional, ethical and legal practice 2. Personal, professional and critical reflective development 3. Decision making and leadership 4. Orthodox Medical Sciences 5. Eliciting an accurate diagnostic interpretation using the underpinning of the orthodox medical sciences 6. Ayurvedic therapies and herbal medicine (OTC) 7. Critically evaluating current developments including the legal and ethic issue in practice and the setting up of an Ayurvedic practice 	<p>Teaching/learning methods Students gain knowledge and understanding through attendance at lectures, seminars, workshops and through a variety of directed and self-directed learning activities.</p> <p>Assessment Method Students' knowledge and understanding is assessed by coursework, unseen exam, clinical assessment, report writing, reflective practice and dissertation.</p>
<p>B. Cognitive (thinking) skills On completion of this programme the successful student will be able to:</p> <ol style="list-style-type: none"> 1. Adopt a professional perspective in practice and utilise problem solving skills in their practice 2. Understand concepts and principles of Ayurveda synthesising information from a number of sources in order to give a coherent understanding of theory with practice 3. Critically evaluate patient problems within the range of Ayurveda 4. Critically analyse, evaluate and interpret the evidence underpinning the practice of Ayurveda 5. Critically appraise and evaluate the research literature pertaining to 	<p>Teaching/learning methods Students learn cognitive skills through through problem solving, case studies, reflection and role modelling.</p> <p>Assessment Method Students' cognitive skills are assessed by coursework, clinical assessment, examination and report writing.</p>

Ayurveda and healthcare	
<p>C. Practical skills On completion of the programme the successful student will be able to:</p> <ol style="list-style-type: none"> 1. Perform patient history taking and patient assessment based upon history taken 2. Evaluate the treatment and care plans produced as appropriate to a practitioner, based on Ayurvedic principles using massage, marma therapy and advice on diet, nutrition and lifestyle. 3. Demonstrate a range of clinical skills, e.g. clinical examination to elicit a diagnosis. 4. Prepare a business proposal. 	<p>Teaching/learning methods Students learn practical skills through demonstration, observation, doing, feedback, experimentation and role modelling.</p> <p>Assessment Method Students' practical skills are assessed by clinical assessment, laboratory simulations, examination of clinical skills, report writing and reflection</p>

12. Programme structure (levels, modules, credits and progression requirements)

12.1 Overall structure of the programme

This Integrated Masters programme is delivered by Middlesex University with The College of Ayurveda (UK). Middlesex University is responsible for the academic provision of the programme, whilst the College of Ayurveda (UK) is responsible to the clinical component. Your 10 week compulsory placement in India during year 4 of the full-time programme and year 5/6 of the part-time programme will be arranged and assessed by the College of Ayurveda (UK).

The course may be studied over 4 years full-time or 6 years part-time. Study is undertaken at levels 4 to 7 with supervised clinical practice carried out throughout the academic teaching year. The course is divided into study units called modules, each having a credit value of 30 credits (with the exception of the dissertation module which is 60 credits) and there are 15 modules altogether so that a total of 480 credits need to be completed to achieve the final award.

An innovative feature of this programme is that successful graduates will gain a Master in Complementary Medicine – Ayurvedic Medicine M.CM (Ayurvedic Medicine) award from Middlesex University (MU). Graduates will be competent, to practise Ayurvedic massage, marma therapy, to advise patients about Ayurvedic diet and nutrition, to counsel them about lifestyle and stress issues, and to prescribe Ayurvedic medicines based upon an accurate diagnosis. Successful graduates will be able to apply for membership of the Ayurvedic Practitioners Association.

Students can gain relevant exit awards if they leave the programme of study and have gained the following:

- 120 Level 4 credits – Certificate in Higher Education (Complementary Health)
- 120 Level 4 and 120 Level 5 credits – Diploma in Higher Education (Ayurvedic Studies)
- 120 Level 4, 120 Level 5 and 60 Level 6 credits – BSc Complementary Health Sciences

12.2 Levels and modules

Level 4

COMPULSORY

PROGRESSION REQUIREMENTS

Students must take all of the following: CMH1515 Human Sciences CMH1100 Introduction to Complementary & Alternative Medicine CMH1134 Professional and Skills Development CMH1315 Ayurvedic Fundamental Principles	In order to progress through the Programme of study from level 4 to level 5, students are required to have successfully completed all modules at Grade 16 or above. Students also need to have met the attendance requirements outlined in the University Regulations, as well as the Programme Handbook.
Level 5	
COMPULSORY	PROGRESSION REQUIREMENTS
Students must take all of the following: CMH2100 Clinical Science CMH2110 Diagnostic Skills CMH2300 Ayurvedic Pharmacology and Pharmacy CMH2301 Principles of Ayurvedic Therapeutics	In order to progress through the Programme of study from level 5 to level 6, students are required to have successfully completed all modules at Grade 16 or above. Students also need to have met the attendance requirements outlined in the University Regulations, as well as the Programme Handbook.
Level 6	
COMPULSORY	PROGRESSION REQUIREMENTS
Students must take all of the following: CHM3100 Nutrition and Lifestyle Management CMH3110 Professional Practice Management CMH3320 Ayurvedic Materia Medica and Therapeutics IPL4001 Social Research Methods	In order to progress through the Programme of study from level 6 to level 7, students are required to have successfully completed all modules at Grade 16 or above. Students also need to have met the attendance requirements outlined in the University Regulations, as well as the Programme Handbook.
Level 7	
COMPULSORY	PROGRESSION REQUIREMENTS
Students must take all of the following: CHM4301 Ayurvedic Internal Medicine CMH4310 Ayurvedic Specialist Medicine IPL4095 Dissertation	In order to graduate from the Programme students are required to have successfully completed all modules at Grade 16 or above. Students also need to have met the attendance requirements for both theory and practice outlined in the University Regulations, as well as the Programme Handbook.

12.3 Non-compensatable modules

Module level	Module code
Level 4	All level 4 modules are non-compensatable
Level 5	All level 5 modules are non-compensatable
Level 6	All level 6 modules are non-compensatable
Level 7	All level 7 modules are non-compensatable

13. A curriculum map relating learning outcomes to modules

See Curriculum Map attached.

14. Information about assessment regulations

Assessment regulations for the programme follow Middlesex University's Academic Regulations and the School's Assessment Policy. In addition, assessment regulations

for the Programme are set out as follows:

- Where there is more than one component to a module assessment, students are required to achieve a Grade 16 or above, in each component, in order to pass the module.
- Self deferral is **NOT** permitted.

In order to progress through the Programme, students must meet the attendance requirements of the Programme as indicated in the programme handbook, for both academic and clinical study.

15. Placement opportunities, requirements and support

Students on the programme are required to complete a total of 1000 hours of clinical practice linked to theory across the whole programme. Clinical placement takes place under the supervision of Ayurvedic Practitioners at the Archway Clinic of Herbal Medicine, Archway Campus. There will be a compulsory 10 week placement in India during the last year of the programme. Clinical training will be arranged and supervised by The College of Ayurveda (UK) along with the Ayurveda Practitioners Association and students will be allocated a tutor to support their learning in the clinical environment. Students are required to keep a record of their clinic attendance and also to maintain a Reflective Practice Journal via an online portfolio 'Pebblepad', which forms part of the student's formative assessment.

Attendance times and clinic locations will be arranged on an individual basis, taking into account both the needs of students and the availability of practitioners. The programme fees cover placement supervision, but students will be required to meet travel and other expenses involved in undertaking a placement.

The compulsory clinical practice placements in India are an integral part of the year four modules, CMH 4031 Advanced Internal Medicine and CMH 4306 Introduction to Ayurvedic Specialist Medicine. During the clinical practice period the student will have an opportunity to observe and participate in a variety of procedures which are unique to Ayurveda, particularly Pañchakarma therapies. The student will also observe the treatment of patients both in Out-patient clinics and In-patient wards in the hospitals. In addition they will also spend some time in the Ayurvedic pharmacy observing the dispensing of medicines, and also the preparation of Ayurvedic medicines in the pharmacies. There will also be an opportunity to identify raw (Ayurvedic) herbs as well as visit herb gardens and herbariums.

Clinical placement will be supervised by the College of Ayurveda (UK) in Middlesex University approved institutions in India. The two institutions that are currently used are the SDM College of Ayurveda and Hospital in Hassan, Bangalore and the KLE College of Ayurveda and Hospital in Belgaum, Karnataka. Both institutions are full-fledged teaching institutions affiliated to Rajiv Gandhi University of Health Sciences and KLE University of Medical sciences, respectively. Accommodation at the hospital will be arranged by the College of Ayurveda (UK) which is included within the University fees. Students are responsible for arranging their own visa and flights. Assistance will be given in ensuring students have the necessary documentation to apply for the visa.

Following the ten weeks of clinical placement in India, the student will have an opportunity to adapt some of the Pañchakarma and Dispensary practices into the demand of the UK and European environments as allowed by the European and UK legislations on CAM therapies. These will be undertaken at the Archway Clinic of Herbal Medicine under the supervision of Ayurvedic practitioners from the College of Ayurveda (UK).

Clinical Hours are set out as follows:

Year 1 = 130 Hours of Clinical Practice throughout the year

Year 2 = 160 Hours of Clinical Practice throughout the year

Year 3 = 140 Hours of Clinical Practice throughout the year

Year 4 = 570 Hours of Clinical Practice throughout the year – The bulk of the hours coming from the Compulsory Placement in India.

16. Future careers (if applicable)

This programme prepares students for the practice Ayurvedic Medicine with graduates deemed competent to practise Ayurvedic massage, marma therapy, and to advise patients about Ayurvedic diet and nutrition and counsel them about lifestyle and stress issues; and to prescribe Ayurvedic medicines. Successful graduates from the programme may take up a range of work opportunities related to Ayurvedic medicine which is a rapidly expanding area. These include practice as a massage therapist, marma therapist, Ayurvedic Nutritionist, Stress and Lifestyle counsellor in a small business, independently or with other complementary medicine practitioners, or in conjunction with other organisations including charitable and commercial organisations. In addition students may join commercial, retail, manufacturing, research, teaching and horticultural concerns related to herbal medicine.

17. Particular support for learning (if applicable)

ILRS Facilities at Middlesex University including CAL suite and internet access; College of Ayurveda Reference Library; Access to English language and Learning Support; Biomedical laboratories at Hendon & Archway Campuses and Clinical Skills Laboratories at Archway; Herb Garden with support from a Herb Gardener; Staff from the Disabled Centre support students with disabilities; Support for modules on OAS!Splus; Academic advice and support; Ayurvedic practitioners at Ayurvedic Clinics; Ayurvedic pharmacy and herbarium.

18. JACS code (or other relevant coding system)	B340
19. Relevant QAA subject benchmark group(s)	12 Subjects Allied to Medicine

20. Reference points

Ayurvedic Medical Association Code of Ethics

Ayurvedic Practitioners Association Code of Practice

House of Lords Select Committee on Science and Technology: Complementary and Alternative Medicine (6th Report 2000)

Middlesex University Guide and Regulations 2010/2011

National Professional Standards for Herbal Medicine Guide (July 2004)

EHTPA Core Curriculum for Herbal and Traditional Medicine (2007)

Report to Ministers from the Department of Health Steering Group on the Statutory Regulation of Practitioners of Acupuncture, Herbal Medicine, Traditional Chinese Medicine and Other Traditional Medicine Systems Practised in the UK (2008)

EHTPA Supplementary Guidance for Clinical Practice Education and Training Standards (2008)

Health Professions Council Standards of Education and Training (2009)

The Quality Assurance Agency for Higher Education: Master's Degree Characteristics

(2010)

21. Other information

The programme has been designed in collaboration with the Ayurvedic Practitioners Association and successful graduates may join their New Members Scheme.

Please note programme specifications provide a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve if s/he takes full advantage of the learning opportunities that are provided. More detailed information about the programme can be found in the student programme handbook and the University Regulations.

Curriculum map for *Integrated Masters in Complementary Medicine – Ayurvedic Medicine*.

This section shows the highest level at which programme outcomes are to be achieved by all graduates, and maps programme learning outcomes against the modules in which they are assessed.

Programme learning outcomes

Knowledge and Understanding	
A1	Professional, ethical and legal practice.
A2	Personal, professional and critical reflective development.
A3	Decision making and leadership.
A4	Orthodox medical sciences.
A5	Eliciting an accurate diagnostic interpretation using the underpinning of medical sciences.
A6	Ayurvedic therapies and herbal medicine (OTC).
A7	Critically evaluating the legal and ethical issues in practice and the setting up an Ayurvedic practice.
Cognitive Skills	
B1	Adopt a professional perspective in practice and utilise problem solving skills in practice.
B2	Understand concepts and principles of Ayurveda synthesising information from a number of sources in order to give a coherent understanding of theory with practice.
B3	Critically evaluate patient problems within a range of Ayurveda.
B4	Critically analyse, evaluate and interpret the evidence underpinning the practice of Ayurveda.
B5	Critically appraise and evaluate the research literature pertaining to Ayurveda and Healthcare.
Practical Skills	
C1	Perform patient history taking and patient assessment based upon the history taken.
C2	Evaluate the treatment and care plans produced as appropriate to a practitioner based on Ayurvedic principles using massage, marma therapy and advice on diet, nutrition and lifestyle.
C3	Demonstrate a range of clinical skills, e.g. clinical examination to elicit a diagnosis.
C4	Prepare of a business proposal.

Programme Outcomes

A1	A2	A3	A4	A5	A6	A7	B1	B2	B3	B4	B5	C1	C2	C3	C4
Highest level achieved by all graduates															
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

Module Title	Module Code by Level	Programme outcomes															
		A1	A2	A3	A4	A5	A6	A7	B1	B2	B3	B4	B5	C1	C2	C3	C4
Human Sciences	CMH1515				X					X							
Introduction to Complementary & Alternative Medicine	CMH1100	X	X						X	X	X		X				
Professional & Skills Development	CMH1134	X		X	X	X			X			X	X		X		
Ayurvedic Fundamental Principles	CMH1315	X	X				X		X	X	X		X				
Clinical Sciences	CMH2100	X			X	X			X	X				X		X	
Diagnostics Skills	CMH2110			X	X	X			X	X				X		X	
Ayurvedic Pharmacology and Pharmacy	CMH2300						X			X		X	X		X		X
Principles of Ayurvedic Therapeutics	CMH2301	X		X				X	X		X			X		X	
Nutrition & Lifestyle Management	CMH3100				X					X			X	X			
Professional Practice Management	CMH3110	X	X	X				X	X	X			X				X
Ayurvedic Materia Medica and Therapeutics	CMH3320	X	X			X			X			X		X			X
Social Research Methods	IPL4001			X		X	X	X	X		X			X	X		
Ayurvedic Internal Medicine	CMH4301				X	X				X			X			X	
Ayurvedic Specialist Medicine	CMH4310		X		X	X		X		X		X		X			X
Dissertation	IPL4095	X		X	X		X		X	X	X	X	X			X	X