

MSc PGDip in Personalised Nutrition

Programme Specification



1. Programme title	<i>MSc in Personalised Nutrition PGDip in Personalised Nutrition</i>
2. Awarding institution	Middlesex University
3a Teaching institution	<i>CNELM (Centre for Nutrition Education and Lifestyle Management)</i>
3b Language of study	<i>English</i>
4a Valid intake dates	<i>January, April and September</i>
4b Mode of study	<i>Full and Part time</i>
4c Delivery method	<input type="checkbox"/> On-campus/Blended <input checked="" type="checkbox"/> Distance Education
5. Professional/Statutory/Regulatory body	<p>The MSc and PGDip programmes in Personalised Nutrition (PN) include 3 modules: Personalised Nutrition Requirements (PNR), Personalised Nutrition and Longevity (PNL) and Personalised Nutrition and Chronic Illness (PNCI) that are mapped to the Core Curriculum and National Occupational Standards for Nutritional Therapy. The MSc and PGDip programmes are standalone courses validated by Middlesex University. Separately, the MSc and PGDip in PN programmes in combination with CNELM's Personalised Nutrition Practice Diploma (PNPD) programmes are accredited by the Nutritional Therapy Education Commission (NTEC) as accredited routes to nutritional therapy practice. The PNPD programme is separately Endorsed by Qualifi as being delivered up to Level 6. Graduates of the combined programmes can apply to register with the Complementary and Natural Healthcare Council (CNHC); the UK voluntary regulator for Nutritional Therapists and for professional membership with the British Association for Nutrition and Lifestyle Medicine (BANT). Graduates of the MSc or PGDip in PN</p>

	only can apply for Associate Membership of BANT. The exit award PGDip in Nutrition Science cannot be combined with the PNPD as an accredited route to nutritional therapy practice.
6. Apprenticeship Standard	N/A
7. Final qualification(s) available	<i>MSc in Personalised Nutrition</i> <i>PG Diploma in Personalised Nutrition (entry award or exit award from MSc)</i> <i>PG Diploma in Nutrition Science (exit award from MSc or PGDip PN)</i> <i>PG Certificate in Personalised Nutrition (exit award from MSc or PGDip)</i>
8. Academic year effective from	September 2024 to August 2025

9. Criteria for admission to the programme

Successful applicants will meet the criteria below:

- GCSE English Language Grade 4 or above, or Equivalent.
- IELTS 6.5 or TOEFL equivalent is the standard requirement for applicants where English is not their first language; or evidence of having completed courses equivalent to level 3 in the English language.
- Ability to use IT facilities including word processing, internet browsing and use of email.

AND

- Two 'A' level grades A-C, or equivalent level 3 qualifications in Chemistry, Biology/ Human Biology.
- GCSE in mathematics or equivalent.
- Undergraduate and/or higher degree qualification in a relevant biomedical/health science subject such as: nutrition, sport and exercise, biology, pharmacology, bioscience, medicine, dentistry, nursing, physiotherapy, osteopathy and chiropractic qualifications. Relevant undergraduate degrees must include both biochemistry and physiology.
- Minimum 2ii or above.

OR

- Undergraduate degree in a non-biomedical/health related subject and successful completion of CNELM's Bioscience Entry Course: Level 3 Chemistry and Human Biology and Level 4 Biochemistry and Physiology. Depending on the applicant's prior degree completing Level 5 Research Methods may also be recommended.

OR

- Applicants without a prior degree that hold a Level 6 Nutritional Therapy Diploma are offered a Bridging Course to join the MSc or PGDip programmes that includes Level 5 Research Methods and Level 6 Research Project. Applicants with a relevant ordinary degree e.g. Nutrition or bioscience related are also offered a Bridging course to include Level 5 Research Methods and Level 6 Research Project.

'A' levels or alternatives are accepted within a 5-year currency or demonstration of continued application of knowledge in the workplace in a relevant field. CNELM's entry modules can be taken as a refresher.

Qualifications from overseas applications are verified by the UK National Agency of Qualifications and Skills (ENIC) (case by case).

Applicants with relevant accredited Level 7 learning can apply for Recognition of Prior Learning (RPL) for specific taught modules. All students completing the MSc programme must complete the Research Dissertation module. All registered students enrolled on the MSc or PGDip programmes must complete a minimum of one-third of the programme. Two-thirds can be applied for RPL. Applicants can request a copy of CNELM's Advanced Learner Entry Policy.

10. Aims of the programme

The 4 taught modules on the MSc and PG Diploma in Personalised Nutrition are the same.

MSc/PG Dip Taught Modules in Personalised Nutrition aims to:

- Provide students with a knowledge and understanding of current population and stratified healthcare models to enable them to evaluate and critique how a personalised approach challenges and complements these and the current evidence-based medicine (EBM) paradigm.
- Enhance critical thinking, problem solving and decision-making skills as individuals and as part of a team across a range of clinical and research contexts.
- Develop skills of critical reflection and reflexivity by considering issues relevant to the design and implementation of personalised nutrition interventions and the strengths and limitations of research methodologies relevant to personalised nutrition.
- Provide opportunities to develop a range of practical skills for designing, implementing, justifying and evidencing personalised nutritional interventions.
- Enable independent lifelong learning by: developing students' ability to analyse, justify, critique, debate and review their own ideas, strategies and actions, as well as those of others; and by developing the student's ability to analyse and critically evaluate the scientific literature relevant to personalised nutrition.

In addition to the above the MSc Research Dissertation aims to:

- Further develop research mindedness about and awareness of emerging research approaches to underpin an evidence base for clinical personalised nutrition.
- Develop research skills by utilising emerging research tools and methods appropriate for building an evidence base for personalised nutrition.

11. Programme outcomes*

A. Knowledge and understanding

On completion of this programme the successful student will have knowledge and understanding of:

PGDip Personalised Nutrition

A1 The scientific and philosophical basis for personalised nutrition.

A2 Biochemical imbalances underpinning illness and laboratory assessments to identify imbalances.

A3 Nutrition requirements taking a personalised approach.

A4 Personalised nutrition strategies across a wide range of contexts.

A5 Existing Evidence Based Medicine (EBM) experimental and observational designs, different personalised EBM paradigms and related statistical methodologies and experimental and observational study.

A6 The role that pathophysiological reasoning plays in clinical decision making in personalised nutrition.

MSc Personalised Nutrition

A1-A6 Above

A7 Implementation of a primary or secondary research project that contributes to an evidence base for personalised nutrition.

Teaching/learning methods

Students gain knowledge and understanding through:

- **Live webinars and lectures** are used throughout the programme to deliver key syllabus content. Appropriate student interaction is encouraged during these events. These are normally recorded for students to review after the event if needed.
- **Recorded webinars and lectures** are used widely for students to access at their convenience and are made available to students at appropriate stages within the programme modules.
- **Directed and self-directed reading** is expected to complement curricular lecture materials across the programme and to enable students to acquire increasingly deeper levels of knowledge and understanding.
- **External online resources** may be signposted via CNELM subscriptions or relevant and appropriate websites to supplement key material. External resources allow students to gain a broad knowledge of how nutritional science can be applied outside of academia and provide an invaluable insight into potential careers and opportunities for graduates.
- **Module activities** such as short answer questions are provided via the VLE to reinforce learning throughout the programme.
- **Online Tutorials** are held as group or individual sessions to provide an opportunity for students and tutors to discuss specific topics and give targeted support to students.
- **Online Module Forums** are used throughout the programme to enable students to share, discuss and debate relevant concepts and content with peers. Forums are supported by tutors where appropriate.
- **Presentations (Individual and Group) and debates** are used creatively within many modules to enable students to acquire knowledge and understanding in a manner that supports participation and constructive feedback, and to work collaboratively.

- **Reflection** is a learning theme used throughout the course providing students with multiple opportunities to reflect upon the acquisition of their knowledge and understanding.

- **Verbal and written feedback** is used throughout the programme to enable students to reflect upon acquisition of knowledge and understanding and to enable students to apply feedback to further progress in their studies and future careers.

- **Journal Clubs** are used to enable students to critically evaluate and analyse scientific papers to develop critical analysis skills and understanding of methodological limitations and strengths of research.

- **Research Supervision** is used on a one to one basis providing opportunities for discussion, resolution, reflection and guidance and provide support to students undertaking a research project.

- **Professional Enhancement Events** are optionally offered as a series of 'enrichment' activities to enhance learning and skills development.

Assessment methods

Students' knowledge and understanding is assessed by

Both summative and formative assessments.

Formative assessments include:

Group/Individual Presentations, Peer and self evaluation, Case Studies and clinical tools, proposals, critical appraisals and evaluation. These enable students to interact with peers and tutors, teamwork, gain developmental feedback for the summatives, and practise academic, research and clinical skills.

Summative assessments include:

- **Essays** (Case studies) enable students to demonstrate their developing knowledge and understanding in a comprehensive manner that incorporates discussion, description, analysis, evaluation, problem solving and reflection.

- **Proposals** are used as an assessment method to provide students with an

	<p>opportunity to understand ethical issues and develop preparatory documents for research.</p> <ul style="list-style-type: none"> - Presentations are included to enable students to demonstrate their knowledge and understanding of key concepts and problem solving skills verbally, and in writing in a format suitable for wider dissemination in research settings. - Dissertation (extended essay) enables students to carry out an independent project and demonstrate how to undertake research in a robust and ethical manner.
<p>B. Skills</p> <p>On completion of this programme the successful student will be able to:</p> <p>Cognitive (thinking) skills</p> <p>PGDip Personalised Nutrition</p> <p>B1 Justify a personalised approach for a range of health issues taking social, cultural, ethical and financial factors into account.</p> <p>B2 Critically evaluate published research particularly when data is conflicting and/or incomplete.</p> <p>B3 Use models of reflection to enhance critical evaluation in personal, interpersonal, organisational and research situations.</p> <p>B4 Demonstrate advanced problem-solving skills.</p> <p>B5 Critically evaluate and justify clinical approaches to personalised nutrition.</p> <p>B6 Evaluate and justify the use of multivariate statistics to model the complexity of multivariate personalised nutrition interventions.</p> <p>B7 Critically analyse the relationships between EBM, stratified, personalised and public health approaches to nutrition practice.</p> <p>MSc Personalised Nutrition</p> <p>B1-7 Above</p> <p>B8 Critically appraise own work in relation to suitability of chosen methodology, results and conclusions drawn.</p> <p>Practical skills</p>	<p>Teaching/learning methods</p> <p>Students learn skills through</p> <ul style="list-style-type: none"> - Webinars and lectures provide students with the opportunity to gain confidence by asking questions and develop critical thinking skills in an open and supportive environment. - Self-direct reading is encouraged throughout the programme to develop independent research skills and confidence to work with minimal supervision. - Online Tutorials are held as group or individual sessions to provide an opportunity for students and tutors to clarify/reinforce lecture content and discuss specific topics, with tutors providing a high level of support and challenge as well as receive student feedback. A key focus of tutorials is to develop skills through the application of knowledge gained. - Presentations are expected to be active events for both the presenter and the audience. Students are actively encouraged to develop skills needed to communicate, defend and challenge strong arguments whilst in a supportive environment. - Reflection is a learning theme used throughout the course providing students with multiple opportunities to reflect upon their growing understanding and student experiences. Through established models of reflection students are able to grow and develop their personal, professional, and research skills in line with both the course content and their own life goals. - Verbal and written feedback is used throughout the programme to enable students to reflect upon how skills have been

PGDip Personalised Nutrition

B9 Effectively use comprehensive databases to check for drug/nutrient/food interactions.

B10 Construct/Formulate personalised evidence-based nutrition plans based on case history information and client goals underpinned by analysis of diet data using a reputable software tool and/or recognised food tables.

B11 Design and justify research proposals for generating or evaluating evidence to support clinical decision making in personalised nutrition.

B12 Contribute to the evidence base for personalised nutrition by designing search methodologies and applying critical evaluation tools to identify, analyse and evaluate data from the published biomedical literature.

MSc Personalised Nutrition

B9-12 Above

B13 Contribute to the evidence base for personalised nutrition by formulating quantitative and/or qualitative methodologies.

B14 Succinctly and accurately present research ideas, methodology and findings to others.

demonstrated and enable students to apply feedback to further progress in their studies and future careers.

Assessment methods

Students' skills are assessed by

Both summative and formative assessments.

Formative assessments include:
Group/Individual Presentations, Peer and self-evaluation, Case Studies and clinical tools, proposals, critical appraisals and evaluation. These assessments enable students to communicate, problem solve, teamwork, evaluate and analyse, and practise academic, research and clinical skills.

Summative Assessments include:
- **Essays** (case studies) the student demonstrates increasing ability to apply critical thinking skills to problem-solve, justify, evaluate, synthesise, reflect and where appropriate to defend in an ethical manner personalised nutrition interventions.
- **Presentations** enable the student to demonstrate across a range of contexts the ability to communicate effectively with others and to demonstrate appropriate management of their own ideas being challenged and challenging the ideas of others and accepting constructive feedback. They also enable self reflection on their beliefs, progress and development and research independence.
- **Proposals/Dissertation** the student demonstrates the ability to plan, time manage, develop and conduct research both in group and individual contexts ethically and to expected standards.

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

12.1 Structure of the programme

Evidence Based Personalised Nutrition (EBPN) is required for the exit award PG Dip in Personalised Nutrition from the MSc programme.

Evidence Based Personalised Nutrition (EBPN) is a compulsory module for the MSc and PGDip PN programmes. MSc students that Exit the programme with a PGDip PN must have passed EBPN. EBPN provides essential research methodology content that underpins the basis of an evidenced-based approach to support personalisation. Graduates of the MSc or PGDip PN that go on to work in the nutrition industry either in a clinical, technical, research development or within academia are well-placed to further the field of personalised nutrition.

The PGDip in Personalised Nutrition exit award cannot be obtained from a combination of PNR, PNCI, PNL and PSN based on the above rationale.

The PGDip in Nutrition Science exit award from the MSc/PGDip in Personalised Nutrition can be obtained with 120 credits from completing PNR, PNCI, PNL and PSN or 3 of these nutrition modules and RD, without EBPN. This exit award cannot be combined with the PNPD as a route to Nutritional Therapy practice.

Programme Structure Map - MSc/PG Dip Full Time Pathway - 1 year MSc and 10 months PGDip January start:

MSc/PGDip Personalised Nutrition - 180/120 Credits MSc/PG Dip Awards Board - April Year 2											
Academic Year MSc Study Period January-January PGDip Study Period January - November Level 7	Term 1			Term 2				Term 3			
	J	F	M	A	M	Jn	Jy/Ag	S	O	N	D/J
Module Information Year One - MSc 180/PG Dip 120 Credits											
Personalised Nutrition Requirements (PNR) 30 Credits											
Evidenced Based Personalised Nutrition (EBPN) 30 Credits											
Personalised Nutrition & Chronic Illness (PNCI) 30 Credits											

Personalised Sports Nutrition (PSN) 30 Credits										
Personalised Nutrition & Longevity (PNL) 30 Credits										
MSc Research Dissertation (RD) 60 Credits										

Programme Structure Map - MSc/PGDip Full Time Pathway - 1 year MSc and 10 months PGDip April start:

MSc/PGDip Personalised Nutrition - 180/120 Credits MSc/PGDip Awards Board - Oct/April Year 2											
Academic Year MSc Study Period April-April PGDip Study Period April-February Level 7	Term 1			Term 2			Term 3				
	A	M	Jn	Jy/Ag	S	O	N	D	J	F	M/A
Module Information Year One - MSc 180/ PGDip 120 Credits											
Personalised Nutrition Requirements (PNR) 30 Credits											
Evidenced Based Personalised Nutrition (EBPN) 30 Credits											
Personalised Nutrition & Longevity (PNL) 30 Credits											
Personalised Nutrition & Chronic Illness (PNCI) 30 Credits											
Personalised Sports Nutrition (PSN) 30 credits											
MSc Research Dissertation (RD) 60 Credits											

Programme Structure Map - MSc/PGDip Part Time Pathway - 2 years MSc and 1.8 years PGDip January start:

MSc/PG Dip Personalised Nutrition - 180/120 Credits MSc/PGDip Awards Board - April Year 3/Oct Year 2											
Academic Year MSc Study Period January-January PGDip Study Period January - July Level 7	Term 1			Term 2				Term 3			
	J	F	M	A	M	Jn	Jy/A	S	O	N	D/J
Module Information Year One - 90 Credits											
Personalised Nutrition Requirements (PNR) 30 Credits	■										
Personalised Nutrition & Chronic Illness (PNCI) 30 Credits				■							
Personalised Sports Nutrition (PSN) 30 credits				■							
Personalised Nutrition & Longevity (PNL) 30 Credits						■					
Module Information Year Two - MSc 90 Credits/PG Dip 30 Credits											
Evidenced Based Personalised Nutrition (EBPN) 30 Credits	■										
MSc Research Dissertation (RD) 60 Credits							■				

Programme Structure Map - MSc/PGDip Part Time Pathway - 2 years MSc and 1.5 years PGDip September start:

MSc/PG Dip Personalised Nutrition - 180/120 Credits MSc/PGDip Awards Board - October/April Year 3											
Academic Year MSc Study Period September-September PGDip Study Period September-February Level 7	Term 1			Term 2				Term 3			
	S	O	N/D	J	F	M	A	M	Jn	Jy/A	S
Module Information Year One - 75 Credits											
Personalised Nutrition Requirements (PNR) 30 Credits	█										
Evidenced Based Personalised Nutrition (EBPN) 30 Credits				█							
Personalised Nutrition & Longevity (PNL) 15 Credits, Total 30 Credits									█		
Module Information Year Two - MSc 105 Credits/PGDip 45 Credits											
Personalised Nutrition & Longevity (PNL) 15 Credits, Total 30 Credits	█										
Personalised Nutrition & Chronic Illness (PNCI) 30 Credits	█										
Personalised Sports Nutrition (PSN) 30 credits	█										
MSc Research Dissertation (RD) 60 Credits					█						

Programme Structure Map - MSc Part Time Pathway - 3 years April start:

MSc Personalised Nutrition - 180 Credits MSc Awards Board - April Year 4											
Academic Year MSc Study Period April-April Level 7	Term 1			Term 2				Term 3			
	A	M	Jn	Jy/A	S	O	N	D	J	F	M/A
Module Information Year One - 75 Credits											
Personalised Nutrition Requirements (PNR) 30 Credits	█										
Personalised Nutrition & Longevity (PNL) 30 Credits			█								
Evidenced Based Personalised Nutrition (EBPN) 15 Credits, Total 30 Credits									█		
Module Information Year Two - 50 Credits											
Evidenced Based Personalised Nutrition (EBPN) 15 Credits, Total 30 Credits	█										
Personalised Nutrition & Chronic Illness (PNCI) 30 Credits					█						
Personalised Sports Nutrition (PSN) 30 credits					█						
Research Dissertation (RD) 5 Credits, Total 60 Credits										█	
Module Information Year Three - 55 Credits											
Research Dissertation (RD) 55 Credits, Total 60 Credits	█										

12.2 Levels and modules

Level 7		
Compulsory	Optional	Progression requirements
<p>Students must take all of the following:</p> <p>For MSc/PG Dip in PN: Evidenced Based Personalised Nutrition (CND711)</p> <p>For MSc in PN: Research Dissertation (CND731)</p>	<p>Students must also choose 3 from the following:</p> <p>*Personalised Nutrition Requirements (CND712)</p> <p>Personalised Nutrition and Chronic Illness (CND721)</p> <p>Personalised Nutrition and Longevity (CND722)</p> <p>Personalised Sports Nutrition (CND723)</p> <p>Completion of the 4 nutrition modules or 3 nutrition modules and CND731 meet requirements for an exit award PG Dip in Nutrition Science. The PG Dip in Nutrition Science cannot be combined with the PNP as a route to Nutritional Therapy practice.</p>	<p>Students must achieve Grade 16 or higher on all modules. PNR is an optional module for students joining the programme with a prior nutrition background.</p> <p>*It is a compulsory first nutrition core module for students without a prior nutrition background as this module includes fundamental nutrition concepts.</p> <p>Students who fail a module may be allowed to progress but will be required to pass the failed module(s) at the next opportunity to continue on the programme.</p>

12.3 Non-compensatable modules

Module level	Module code
7	CND711
7	CND712
7	CND721
7	CND722
7	CND723
7	CND731

13. Information about assessment regulations

This programme will run in line with general University Regulations:

<https://www.mdx.ac.uk/about-us/policies>

The PG Diploma in Personalised Nutrition will be classified in accordance with the following regulations:

Students must achieve a minimum of 60 credits in the Class or higher e.g. two 30 credit modules in Merit or Distinction Class or minimum of one Merit and one Distinction would be a Merit.

The exit award of PG Diploma in Nutrition Science will not be classified.

14. Placement opportunities, requirements and support (if applicable)

N/A

15. Future careers / progression

The majority of graduates from MSc and PGDip PN programmes continue in study with CNELM for 12-24+ months to complete the CNELM's Personalised Nutrition Practice Diploma (PNPD) which is Endorsed by QualiFi up to level 6. The MSc/PGDip PN programmes in combination with the PNPD are accredited routes to nutritional therapy practice. Hence, a large proportion of students are engaged in further study 15 months after completing degree studies. Graduates that exit with a PGCert have the opportunity to gain other CNELM internal awards including the Dietary Educator Certificate and Nutrition Coach Diploma.

Several graduates of the MSc and PGDip programmes are existing healthcare practitioners and have completed the postgraduate degrees in personalised nutrition to deepen their area of practice and continue in their previous employment which is invariably self-employed.

Some graduates go on to complete other allied professional courses following completion of degree and PNPD studies or following degree studies only, to gain certification in functional medicine.

A few graduates go on to complete doctoral studies.

Most graduates set up their own nutrition business in a self-employed capacity and/or are employed within integrative practices. Several graduates work in industry settings as Technical Advisers.

Several graduates gain employment in the higher education sector contributing to the delivery of nutrition programmes. Students are supported by the Research Team to publish their work emanating from their Research Dissertation in preparation for doctoral studies and careers in research as well as contributing to the evidence-base for personalised nutrition.

Portfolio careers are common and graduates include a range of services within their nutrition business.

16. Particular support for learning

- Royal Society of Medicine (RSM): ebooks, journals, search engine databases, webinars, podcasts and onsite library
- BANT: Nutrition Evidence Database, Clinical resources, CPD events
- Natural Medicines Database
- Nutritics
- Health Food Manufacturers Association
- Turnitin
- CNELM Clinical Tools
- Professional Enhancement Events including industry events and resources
- MyNutriWeb webinars and resources
- Nutritank webinars and resources
- Natural Medicine Journal
- Open Access resources
- Academic Support: Programme Leader, Module leaders, Research Supervisors, Research Manager, Head of Student Research, Research Director, Session lecturers.
- Support Services: Programme Managers, Student Support Manager, Coach Mentor Support (by referral only) Professional Mentor, Learning Resources Manager, IT and Administrative Support, Support for students with Learning Needs.
- Access to Institution and University Link Tutor and other relevant Middlesex University contacts.

Further details and descriptions are provided for students within the Programme Handbook.

17. HECos code(s)

100247

18. Relevant QAA subject benchmark(s)

Biosciences, Biomedical Sciences, Dietetics and Health Studies.

19. Reference points

The following reference points were used in designing the programme:

1. [UK Quality Code for Higher Education: Master's Characteristics statement 2020](#).
2. QAA Subject Benchmarks statements for [Biosciences 2023](#), [Biomedical Sciences 2023](#), [Health Studies 2019](#) and [Dietetics 2019](#).
3. [QAA Enterprise and Entrepreneurship Education: Guidance for UK Higher Education Providers 2018](#).
4. [CNHC Core Curriculum for Nutritional Therapy 2023](#).
5. [Skills for Health National Occupational Standards for Nutritional Therapy](#).
6. [Middlesex University Learning and Quality Enhancement Online Handbook 2023](#).
7. [SEEC Credit Level Descriptors \(Level 7\) 2021](#).
8. Bloom's Taxonomy.

20. Other information

Several graduates of the MSc and PGDip programmes have published texts for professionals and for the public. CNELM hosted a 21st Anniversary Conference in 2022 to showcase graduate and staff book and journal publications emanating from student research dissertations.

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 rest of your programme handbook and the university regulation

21. Curriculum map for MSc/PGDip in Personalised Nutrition

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	The scientific and philosophical basis for personalised nutrition
A2	Biochemical imbalances underpinning illness and laboratory assessments to identify imbalances
A3	Nutrition requirements taking a personalised approach
A4	Personalised nutrition strategies across a wide range of contexts
A5	Existing EBM experimental and observational designs, different personalised EBM paradigms and related statistical methodologies and experimental and observational study
A6	The role that pathophysiological reasoning plays in clinical decision making in personalised nutrition
A7	Implementation of a primary or secondary research project that contributes to an evidence base for personalised nutrition
Skills	
B1	Justify a personalised approach for a range of health issues taking social, cultural, ethical and financial factors into account
B2	Critically evaluate published research particularly when data is conflicting and/or incomplete
B3	Use models of reflection to enhance critical evaluation in personal, interpersonal, organisational and research situations
B4	Demonstrate advanced problem-solving skills
B5	Critically evaluate and justify clinical approaches to personalised nutrition
B6	Evaluate and justify the use of multivariate statistics to model the complexity of multivariate personalised nutrition interventions
B7	Critically analyse the relationships between EBM, stratified, personalised and public health approaches to nutrition practice
B8	Critically appraise own work in relation to suitability of chosen methodology, results and conclusions drawn (MSc Dissertation only)
B9	Effectively use comprehensive databases to check for drug/nutrient/food interactions
B10	Construct/Formulate personalised nutrition plans based on case history information and client goals underpinned by analysis of diet data using a reputable software tool and/or recognised food tables
B11	Design and justify research proposals for generating or evaluating evidence to support clinical decision making in personalised nutrition

B12	Contribute to the evidence base for personalised nutrition by designing search methodologies and applying critical evaluation tools to identify, analyse and evaluate data from the published biomedical literature
B13	Contribute to the evidence base for personalised nutrition by formulating quantitative and/or qualitative methodologies (MSc Dissertation only)
B14	Succinctly and accurately present research ideas, methodology and findings to others (MSc Dissertation only)

Programme outcomes						
A1	A2	A3	A4	A5	A6	A7
Highest level achieved by all graduates						
7	7	7	7	7	7	7

Programme outcomes													
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14
Highest level achieved by all graduates													
7	7	7	7	7	7	7	7	7	7	7	7	7	7

Module Title	Module Code by Level	A1	A2	A3	A4	A5	A6	A7								
Evidence Based Personalised Nutrition	CND711	x				x	x									
Personalised Nutrition Requirements	CND712	x	x	x	x			x								
Personalised Nutrition and Chronic Illness	CND721	x	x	x	x			x								
Personalised Nutrition and Longevity	CND722	x	x	x	x			x								
Personalised Sports Nutrition	CND723	x	x	x	x			x								
Research Dissertation (MSc only)	CND731	x				x	x	x								
Module Title	Module Code by Level	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	
Evidence Based Personalised Nutrition	CND711		x	x	x	x	x	x				x	x			
Personalised Nutrition Requirements	CND712	x	x	x	x	x				x	x		x			
Personalised Nutrition and Chronic Illness	CND721	x	x	x	x	x				x	x		x			
Personalised Nutrition and Longevity	CND722	x	x	x	x	x				x	x		x			
Personalised Sports Nutrition	CND723	x	x	x	x	x				x	x		x			

Research Dissertation (MSc only)	CND731		x	x	x	x	x	x	x			x	x	x	x
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