Cosmetic Science

Programme Information

2022.02, Approved

Overview

Programme Code	35744
Programme Title	Cosmetic Science
Awarding Institution	Liverpool John Moores University
Programme Type	Masters

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	N/A
Alternative Exit	Postgraduate Diploma - PD	Engage with advanced levels of theories and practice in relation to the field of cosmetic science Identify and apply appropriate research methodologies Take an informed position in relation to the field of cosmetic science Demonstrate personal skills in critical analysis, reflection and contextual awareness in a wide range of modules associated with the field of study

Alternate Award Names	

External Benchmarks

Subject Benchmark Statement	

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length Programme Length Unit
Full-Time, Face to Face	September	LJMU Taught	1 Years
Full-Time, Face to Face	September	LJMU Taught	2 Years

Aims and Outcomes

Educational Aims of the Programme	To provide students with specialist knowledge of the cosmetic science pertinent to the manufacture and quality control of cosmetic products. To enhance students' critical, analytical and practical skills relevant to the cosmetic industry. To enable students to extend their capacity for independent study and to make an original contribution to research. To encourage students to develop their capacity for teamwork. To encourage students to improve and refine their oral and written communication skills.

Learning Outcomes

Code	Number	Description
PLO1	1	Demonstrate a thorough knowledge and understanding of current themes and insights at the forefront of the cosmetic industry
PLO2	2	Communicate clearly the outcomes of scientific studies
PLO3	3	Plan, develop and implement appropriate research methodologies
PLO4	4	Critically evaluate experimental design
PLO5	5	Plan, conduct, evaluate and report the results of a scientific research project while demonstrating good laboratory practice (GLP) and COSHH
PLO6	6	Apply appropriate practical techniques to the solution of cosmetic formulation and product development and processing problems
PLO7	7	Use and develop advanced theories and novel concepts to explain cosmetic formulation and product development and processing data
PLO8	8	Apply appropriate practical techniques for the analysis and quantification of cosmetic materials, actives and final product
PLO9	9	Convey findings to specialist and non-specialist audiences
PLO10	10	Communicate effectively in both written and verbal forms
PLO11	11	Use information technology to retrieve, analyse, prepare and present information
PLO12	12	Critically evaluate the quantitative techniques used during the analysis of raw and active cosmetic ingredients, and the final product
PLO13	13	Use appropriate numerical and statistical problem-solving skills
PLO14	14	Demonstrate initiative, responsibility for personal development, ability to work independently and as part of a team

PLO15	15	Plan projects and use appropriate time management skills
PLO16	16	Possess a clear awareness of the regulatory tests, strategies and approaches to assess chemical safety in the UK, EU and worldwide
PLO17	17	Demonstrate a thorough knowledge and understanding of the large scale-up manufacturing process, packaging, stability and microbial testing
PLO18	18	Show originality in the application of knowledge, together with a practical understanding of processes which facilitate the critical evaluation of research, scholarship and methodologies within the area of cosmetic science
PLO19	19	Critically evaluate and analyse the market sector and development of a business plan
PLO20	20	Demonstrate knowledge to ensure the product is protected under the appropriate IP law
PLO21	21	Critically evaluate information and data from a variety of sources
PLO22	22	Interpret and present complex concepts and ideas

Course Structure

Programme Structure Description	To obtain an MSc. in Cosmetic Science, students must acquire 180 L7 credits. Intermediate awards are Postgraduate certificate (all taught modules comprising a total of 60 L7 credits except the dissertation) and Postgraduate Diploma (all taught modules comprising a total of 120 L7 credits except the dissertation). Students who achieve the full 180 credits with an average mark of 70% or above are awarded MSc. with "Distinction". Students who achieve the full 180 credits with an average mark of 60-69% are awarded MSc. with "Merit". Students who achieve the full 180 credits with an average mark of 50-59% are awarded MSc. with "Pass".

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 180 credit points	CORE
[MODULE] 7108PHASCI Research Project Approved 2022.01 - 60 credit points	
[MODULE] 7111PHASCI Physiology and Toxicology Approved 2022.01 - 20 credit points	
[MODULE] 7112PHASCI Formulation and Characterisation of Cosmetics Products Approved 2022.01 - 20 credit points	
[MODULE] 7114PHASCI Safety-Based Decision Making Approved 2022.01 - 20 credit points	
[MODULE] 7130PHASCI Natural Products in Cosmetics Approved 2022.01 - 20 credit points	
[MODULE] 7131PHASCI Scientific Principles in Cosmetic Science Approved 2022.02 - 20 credit points	
[MODULE] 7132PHASCI Concept to Consumer Approved 2022.01 - 20 credit points	
Level 7 Optional - No credit points	OPTIONAL

Teaching, Learning and Assessment

Teaching, Learning and Assessment	Knowledge and understanding: Acquisition is achieved through a combination of interactive lectures, workshops, CAL, seminars, literature reviews, extended essays, portfolios, oral presentations, directed supervisions and project work. Practical skills are achieved by practical activities, demonstrations, project work and seminars with both internal and external speakers. The project serves to develop knowledge and understanding of concepts and theories applicable to cosmetic science. Testing of the knowledge base is achieved through a combination of formative VLE interactive self-assessments, summative written assignments such as laboratory reports, essays and case studies, problem solving exercises, written examinations, project report and oral presentation. Skills and other attributes: Intellectual skills are developed through the teaching and learning programme. Critical analysis and problem solving skills are embedded in all modules and are taught, developed and practised through workshops, formative assessment exercises and all forms of project work. Experimental, research and design skills are further developed and practised through a broad range of coursework activities, laboratory work and all project work. Written and/or verbal individual feedback is given on all work submitted. Critical thinking and problem solving skills are assessed through written examinations and written assignments, such as laboratory reports, essays and case studies. Experimental research and design skills are assessed in the presentation of the Research Project together with an oral defence, and practical report write-up. Professional practical skills: Practical skills are taught during laboratory sessions and project work, developed and practised throughout programme. Experimental design is taught in the Research Methods module via lectures and workshops, developed and practised in practical sessions and projects. Practical skills are assessed via laboratory reports, problem-solving exercises, research project thesis and oral presentation. Transferable / key skills: Transferable skills are taught, developed and practised through the teaching and learning programme. Skills are learned through completion of written assignments, participating in workshops and oral presentations, collecting and transferring data via IT networks, and through the Research Project. Oral presentations, poster presentations, written assignments, and research project dissertation

Opportunities for work related learning

Opportunities for work related learning
The programme offers a specific period of work related learning in the Research Project module (7108PHASCI) with external companies, which can occur at the company or split between LJMU and company or at LJMU. All work offers individuals the opportunity to develop their critical reasoning and complex problem solving skills further. Throughout the programme, emphasis is focused on the acquisition of new knowledge and skills that would secure future employment within the broad area of the cosmetic industry.

Entry Requirements

Type	Description
Other international requirements	English – International students require an IELTS score of 6.5. This must include a minimum score of 5.5 in each component
Alternative qualifications considered	BSc. (Hons) degree (Min 2:2.) or equivalent – Pharmacy, Pharmaceutical Sciences, Chemistry, Biomedical Science or related Science disciplines.

Programme Contacts

Programme Leader

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Contact Name