



Dodou, Kalliopi (2020) Research project. [Teaching Resource]

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Module Descriptor

Module Summary Information		
A	Module Title	Research project
B	Module Code:	CSCM05
C	Credits:	60 credits
D	Level:	7
E	Pre-Requisites:	CSCM01, CSCM02, CSCM03, CSCM04
F	Co-Requisites:	None
G	Faculty:	Health Sciences and Wellbeing
H	Module Leader:	Dr Kalliopi Dodou
I	Other Teaching Staff:	tbc
J	HECoS Code:	

K	Content Synopsis- Web version
	<p>Display critical awareness of the advances at the forefront of a specific area of the cosmetic science discipline including understanding of specialised areas of cosmetic science and gain research skills via successfully designing, conducting and writing up a piece of independent research. Demonstrate expertise in the defence of the final research output in a viva voce and the ability to disseminate research findings in poster format to an expert audience.</p>
L	Module Content
	<p>In this module you will apply knowledge and skills acquired in previous modules towards the design and successful completion of a research task, gaining expertise in the techniques required in the pursuit of robust research. You will seek out and evaluate relevant information, both from the primary research literature and, if appropriate, from internet resources and will be expected to apply your learning of research methodology, statistics and ethics.</p> <p>You will be offered or have the opportunity to suggest a research topic in Cosmetic Science, with guidance from a research-active supervisor, allowing you to work independently and plan and produce a scientifically robust report. Via this research project task, you will be able to demonstrate your expertise in essential industrial processes in the Cosmetics Industry, such as Good Laboratory Practice (GLP) via professional record keeping of lab tasks and implementation of Health and Safety measures; completion of COSHH and Risk Assessment forms; development and implementation of Standard Operating Procedures (SOPs) in formulation and quality control processes and on the correct use of lab equipment. All these skills will render you ready for employment in a lab-based environment within the Cosmetics, personal care and fragrance industry.</p> <p>The <i>viva voce</i> and poster presentation of your research project will enable you to demonstrate your expertise in communicating effectively your knowledge, research findings and their merit to the Cosmetics field.</p>

M	Module Learning Outcomes
	By the end of this module successful students will be able to do the following:
1	Display critical awareness of the advances at the forefront of a specific area of the cosmetic science discipline including understanding of specialised areas of cosmetic science.
2	Display mastery of successfully conducting and writing up a piece of independent research by designing and applying appropriate research methods.
3	Demonstrate expertise in the debate and defence of the final research output in a viva voce to a specialist and non-specialist audience.
4	Demonstrate the ability to disseminate research findings in poster format.

N	Teaching and Learning Methods																										
	<table border="1"> <thead> <tr> <th>Scheduled Activities</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td><i>Lab-based project</i></td> <td>280</td> </tr> <tr> <td><i>Seminars (critical evaluation of peer-reviewed scientific papers)</i></td> <td>18</td> </tr> <tr> <td><i>Lectures</i></td> <td>10</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Independent Study</td> <td></td> </tr> <tr> <td><i>Project report write-up</i></td> <td>202</td> </tr> <tr> <td><i>Poster preparation</i></td> <td>10</td> </tr> <tr> <td><i>Directed Reading</i></td> <td>80</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Placement</td> <td></td> </tr> <tr> <td></td> <td>-</td> </tr> <tr> <td>Total Hours</td> <td>600</td> </tr> </tbody> </table>	Scheduled Activities	Hours	<i>Lab-based project</i>	280	<i>Seminars (critical evaluation of peer-reviewed scientific papers)</i>	18	<i>Lectures</i>	10			Independent Study		<i>Project report write-up</i>	202	<i>Poster preparation</i>	10	<i>Directed Reading</i>	80			Placement			-	Total Hours	600
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O	Assessment Methods
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#	Title	Exam Length or Word length	Central or Local Exam	%	Summary	Module Mark
1	Project report	10,000 words		60	Project thesis individually written in the format of a peer-reviewed scientific paper. Assesses learning outcomes 1 and 2. Word limit for guidance only.	*
2	Viva voce	20 min		20	Oral defense of the project Thesis, assessed by staff and by the rest of the class. Assesses learning outcome 3.	*
3	Poster	-	L	20	Conference-style poster accompanied by Questions and Answers by staff. Assesses learning outcome 4.	*
Overall Mark				100		**

Are there Programme Specific regulations that are applicable to this module? If Yes please give details: Are programme Specific regulations applicable on every programme that the module is delivered on If No please give details: https://my.sunderland.ac.uk/display/AQH/Academic+Regulations	Yes/No Yes/No
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P	Reading List
	Adejokun D. and Dodou K. (2020) Quantitative Sensory Interpretation of Rheological Parameters of a Cream Formulation. <i>Cosmetics</i> , 7 (1), 2-13.
	Benson, HAE, Leite-Silva VR, Roberts MS, Walters K. (2019) Cosmetic formulation: principles and practice. CRC Press: Boca Raton
	Schmitt WH, Williams DF. (2012) Chemistry and technology of the cosmetics and toiletries industry. Springer: Dordrecht.
	Somasundaran P, Rhein LD (2006) Surfactants in personal care products and decorative cosmetics. CRC Press LLC: New York, USA.

Q	Programmes using the module as Core/Option:
i	MSc Cosmetic Science (core)
ii	
iii	

R	Module Delivery
i	On-Campus Yes/No
ii	Off-Campus Yes/No
iii	Distance Learning Yes/No
iv	Apprenticeship Yes/No
v	Available for incoming Study Abroad students Yes/No
vi	Professional Accreditation: Yes/ No

S. Version Control

Module Descriptors are checked annually and updated when changes are made to the Module.

Version No		Date	Details of change	Author
V1	Document created	19/06/2020	New module	Dr Kalliopi Dodou
V2	Document changed			