ADVANCED DIPLOMA IN COSMETIC FORMULATION SCIENCE

DEPARTMENT OF MEDICINE
DIVISION OF DERMATOLOGY

General information
The Advanced Diploma in Cosmetic Formulation Science is the first in South Africa and first to be located within a Division of Dermatology in the world. This is a deliberate choice that aims to reduce the divide between scientists who develop and dermatologists who treat the many adverse effects of cosmetic products. The teaching is a careful balance between solid cosmetic science knowledge and hands-on cosmetic industry experience (80% of the time). The Dermatology contribution to the program intends to sensitize students to deleterious health effects that cosmetic products can have on consumers.

Introduction
- 1-year full-time program
- Blended program with a 6-week block in January & 6-week block in July spent on campus (@ the Hair and Skin Research Lab, UCT, Observatory, Cape Town
- Two 4-month blocks at hosting companies for practical hands-on experience
- Hosting companies are national, and students can be place anywhere in the country after the on-campus block based on availability and company selection
- Students are encouraged to find companies for in-service training and the university will assess and accept companies deemed suitable
- Collaboration with the Services Sector Education and Training Authority (SSETA) for industry placement.

Aim
To produce graduates that are ready and equipped for product formulation in personal care manufacturing companies as: product developers, cosmetic formulators, R&D chemists or as entrepreneurs.

Modules offered
(1) Scientific Principles of Cosmetic Formulations
(2) Cosmetic Formulation Technology
(3) Hair and Skin Biology for the Cosmetic Formulator
(4) Cosmetic: Claims, Regulations and Ethics
(5) Professional Communication and Project Management for Cosmetic Scientists

Admission requirements
To be admitted into the programme, students will be required to have at least a Bachelor of Science or equivalent science qualification with a minimum of Chemistry / Biochemistry at 2nd year level and Physics / Mathematics / Statistics at 1st year level. Additional preferred subjects include Human Biology, Cell Biology, Molecular Biology, Microbiology and Biotechnology. National Benchmark Test (NBT) is not required for the program.

Application process
For 2020 intake: All applications must be submitted online
Applications open 1 April 2019
Closing date for applications is 31 July 2019
Any queries regarding the application process, should be addressed to email: hfs-ug-admiss@uct.ac.za or telephone 021 406-6328 or 021 406-6347

Applicants must upload certified copies of their final Grade 12 results, complete academic record, degree certificate and updated CV on the system when they apply online plus certified copies of these documents must be posted to UCT’s Admissions Office, Private Bag X3, Rondebosch, 7701

January block
6 January 2020 – 14 February 2020

Venue
Hair & Skin Research Lab, Room K47 51, Old Main Building, Groote Schuur Hospital, Observatory, Cape Town, 7925

Costs
Available on the UCT website: www.uct.ac.za

Financial Assistance
Information regarding scholarships and bursaries is obtainable from the Postgraduate Funding office at www.pgfo.uct.za

Further Information
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http://www.medicine.uct.ac.za/hair-and-skin-research-lab

http://www.pgfo.uct.za
### ADVANCED DIPLOMA IN COSMETIC FORMULATION SCIENCE MODULE DESCRIPTORS

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<thead>
<tr>
<th>Module Code</th>
<th>Module Title</th>
<th>Module Description</th>
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<tbody>
<tr>
<td>MDN3005W</td>
<td>Scientific Principles of Cosmetic Formulations</td>
<td>The aim of the course is to provide the student with a fundamental knowledge and understanding of the chemistry of cosmetic formulations as well as a working knowledge of raw materials, structure, reactivity, interaction, safety and function within a cosmetic formulation.</td>
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<tr>
<td>MDN3006W</td>
<td>Cosmetic Formulation Technology</td>
<td>The aim of the course is to enhance the understanding of the cosmetic formulation concepts learned in Course 1 (Scientific Principles of Cosmetic Formulation) by carrying out practical work demonstrating these concepts.</td>
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<tr>
<td>MDN3007W</td>
<td>Hair and Skin Biology for the Cosmetic Formulator</td>
<td>The aim of the course is to generate applied knowledge and understanding of the basic anatomy of skin and hair as substrates for cosmetic application and the interaction thereof with cosmetic raw materials and products.</td>
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<tr>
<td>MDN3008W</td>
<td>Cosmetics: Claims, Regulations and Ethics</td>
<td>The aim of the course is to provide insight on the ethics of product development, manufacturing, testing and advertising.</td>
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<tr>
<td>MDN3009W</td>
<td>Professional Communication and Project Management for Cosmetic Scientists</td>
<td>The aim of the course is to teach students appropriate information retrieval and processing skills as well as to equip them with the ability to present data and communicate in an appropriate academic and professional manner by using a range of genres appropriate to the context of cosmetic formulation science team.</td>
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### ASSESSMENT CRITERIA

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<tr>
<th>Module Code</th>
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<th>Assessment Criteria</th>
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<tr>
<td>MDN3005W</td>
<td>Scientific Principles of Cosmetic Formulations</td>
<td>Students will be assessed using class tests, assignments and an examination.</td>
</tr>
<tr>
<td>MDN3006W</td>
<td>Cosmetic Formulation Technology</td>
<td>Students will be assessed using practical reports, assignments and a practical examination.</td>
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<tr>
<td>MDN3007W</td>
<td>Hair and Skin Biology for the Cosmetic Formulator</td>
<td>Students will be assessed using practical reports, class tests and an examination.</td>
</tr>
<tr>
<td>MDN3008W</td>
<td>Cosmetics: Claims, Regulations and Ethics</td>
<td>Students will be assessed using an assignment, test and an examination.</td>
</tr>
<tr>
<td>MDN3009W</td>
<td>Professional Communication and Project Management for Cosmetic Scientists</td>
<td>Students will be assessed using written assignments (which include group work) and an oral presentation.</td>
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