



**FLORIDA  
ATLANTIC  
UNIVERSITY**

## **NEW COURSE PROPOSAL Undergraduate Programs**

**Department** Chemistry and Biochemistry

**College** of Science

(To obtain a course number, contact [erudolph@fau.edu](mailto:erudolph@fau.edu))

UUPC Approval 2/24/25

UFS Approval \_\_\_\_\_

SCNS Submittal \_\_\_\_\_

Confirmed \_\_\_\_\_

Banner Posted \_\_\_\_\_

Catalog \_\_\_\_\_

<b>Prefix</b>  <b>Number</b>	CHS  4403	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)  <b>Lab Code</b>	<b>Type of Course</b> Lecture	<b>Course Title</b> Introduction to Cosmetic Science
<b>Credits</b> (See <a href="#">Definition of a Credit Hour</a> )	3	<b>Grading</b> (Select One Option)	<b>Course Description</b> (Syllabus must be attached; see <a href="#">Template and Guidelines</a> ) This course provides an introduction to the fundamental principles of cosmetic science, with an emphasis on the chemistry behind personal care products. Topics include cosmetic ingredients, formulation strategies, skin and hair physiology, regulatory considerations, and trends in the cosmetic industry. The course will provide a comprehensive understanding of how chemistry influences product development, stability, and efficacy. This is a lecture-based course with no laboratory component	
<b>Effective Date</b> (TERM & YEAR)	Spring 2026	<input checked="" type="radio"/> Regular <input type="radio"/> <input type="radio"/> Sat/UnSat <input checked="" type="radio"/>		
<b>Prerequisites, with minimum grade*</b> CHM 2210 with minimum "C" or CHM 2032 with minimum "C"		<b>Corequisites</b> N/A		<b>Registration Controls</b> (Major, College, Level)

\*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course

<b>WAC/Gordon Rule Course</b>  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Intellectual Foundations Program (General Education) Requirement</b> (Select One Option)  None  General Education criteria must be indicated in the syllabus and approval attached to the proposal. See <a href="#">Intellectual Foundations Guidelines</a> .
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### Minimum qualifications to teach course

Ph.D. in Chemistry

<b>Faculty Contact/Email/Phone</b> mstawikowski@fau.edu, 7-4871	<b>List/Attach comments from departments affected by new course</b>
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<b>Approved by</b>  Department Chair <u>Andrew Teplitsky</u> 2025.02.11 15:25:13 -05'00'  College Curriculum Chair <u>Karen Sorge</u>  College Dean <u>Dan Meeroff</u>  UUPC Chair <u>Korey Sorge</u>  Undergraduate Studies Dean <u>Dan Meeroff</u>  UFS President _____  Provost _____	<b>Date</b> <u>2/11/25</u>  <u>2/13/25</u>  <u>02/13/25</u>  <u>2/24/25</u>  <u>2/24/25</u>  _____
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Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.



**XYZ 2000-001**  
**Introduction to Cosmetic Science**  
MWF 9:00 – 9:50  
3 credits

Spring 2026  
Dr. Maciej J. Stawikowski  
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## Course Description

This course provides an introduction to the fundamental principles of cosmetic science, with an emphasis on the chemistry behind personal care products. Topics include cosmetic ingredients, formulation strategies, skin and hair physiology, regulatory considerations, and trends in the cosmetic industry. The course will provide a comprehensive understanding of how chemistry influences product development, stability, and efficacy. This is a lecture-based course with no laboratory component

## Instructional Method

In-Person. There is no remote option for this course.

## Prerequisites/Corequisites

Organic Chemistry I, CHM 2210 with minimum “C”

Or General Chemistry for Health Sciences CHM 2032 with minimum “C”

## Course Objectives/Student Learning Outcomes

By the end of the course, students should be able to:

1. Identify key cosmetic ingredients and their functions.
2. Understand the chemical principles behind emulsions, surfactants, and preservatives.
3. Explain the structure and function of skin, hair, and nails in relation to cosmetic science.
4. Evaluate the stability and safety considerations in cosmetic formulation.
5. Analyze regulatory guidelines for cosmetic products in different markets.
6. Discuss emerging trends and innovations in the cosmetic industry.

## Course Evaluation Method

Graded course components:

- Two Midterm Exam (50%)
- Final Exam (30%)
- Research Paper or Presentation (20%)

## Course Grading Scale

A	A-	B+	B	B-	C+	C	C-	D+	D	F
93.0- 100 %	89.0- 92.9 %	85.0- 88.9 %	82.0- 84.9 %	78.0- 81.9 %	74.0- 77.9 %	70.0- 73.9 %	67.0- 69.9 %	63.0- 66.9 %	60.0- 62.9 %	0- 59.9 %

### Policy on Makeup Tests, Late Work, and Incompletes (if applicable)

A student who misses any exam during the semester (or the final exam) will receive a grade of 0 unless a) student notifies the instructor prior to the exam that he or she will be absent and b) the student presents a legitimate, documented reason that meets FAU criteria for missing the exam. If these conditions are met, a make-up exam will be considered.

Make up exam will not be given unless a written and verifiable reason is approved either prior to the exam or within 24 hours of the exam date. Unexcused absence from an exam will result in a zero score being recorded. If a student is unable to complete the required coursework for health or personal/family reasons, an incomplete may be issued, according to University policy on Incompletes.

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

### Policy on the Recording of Lectures (optional)

Because of a new Florida Statute in 2021, the following model language is suggested for inclusion in course syllabi, at the discretion of individual faculty:

Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when

incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

## **Attendance Policy**

*Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.*

## **Counseling and Psychological Services (CAPS) Center**

*Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>*

## **Disability Policy**

*In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at [www.fau.edu/sas/](http://www.fau.edu/sas/).*

## **Code of Academic Integrity**

*Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on*

*personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).*

If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.

## Required Texts/Readings

Baki, G. (2023). *Introduction to Cosmetic Formulation and Technology* (2nd ed.). Wiley.

## Supplementary/Recommended Readings (if applicable)

## Course Topical Outline

Tentative course modules:

- Introduction to Cosmetic Science and Industry Overview
- Skin and Hair Physiology
- Basic Cosmetic Ingredients
- Surfactants and Emulsions
- Preservatives and Antioxidants
- Skin Care Formulations
- Hair Care Formulations
- Color Cosmetics and Fragrances
- Product Stability and Safety
- Cosmetic Regulations and Labeling