The History and Chemistry of Adhesives

COURSES
First-Year Experience Seminar
UGST 109
1 credit

Introductory Chemical Principles
CH 111
Core Education Science (>3)
4 credits

College Algebra
MATH 111
Core Education BS Math
Requirement (>5)
4 credits

CALENDAR
First FIG Meeting
You will get to meet your FIG classmates, FIG Assistant (FA), and Faculty before classes start!
Check your FIG page in September to find out more details.

ACADEMIC TEAM
First-Year Experience Seminar Professor
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ABOUT THIS FIG
FYE Seminar
From our early childhoods we have all endeavored to create with adhesives. From the original glue stick, to the transition to more robust binding agents, we’ve learned that much imagination and creativity can be found within theses seemingly humble tools. In this FIG we will learn about the long history of adhesives used throughout human history and focus on explaining the chemical principles behind them. We will also pay attention to the many applied ways adhesives have been used. Whether it’s binding individual units together build an airplane, or using modern adhesives (i.e., resins) to build our own creation as our final project! This class will be a mix of lecture, field trips and of course, construction — all with the chemistry of these processes guiding our way.

Introductory Chemical Principles
This course familiarizes students with the foundational concepts and models of modern chemistry while emphasizing problem solving and critical thinking skills that will support students’ success as they continue their studies. Fundamental mathematical techniques and skills are incorporated to illustrate the quantitative aspects of chemistry and to develop student ability to model quantitative systems.

College Algebra
This course begins by building familiarity with functions, including notation and the rate of change in a function. Linear functions, including lines of best fit, are discussed. Evaluation, identifying domain and range, and the basics of composition and inversion of functions follow. Quadratic and polynomial functions are introduced along with roots and extrema of quadratic functions. Exponential and logarithmic models are discussed with a focus on applications. Finally, transformations of functions are covered. College algebra is a calculus preparation course and as such has a strong algebraic focus.

NEXT STEPS
After you’re registered for your FIG, you will want to check out the Meet Your FIG page (https://fyp.uoregon.edu/fall-2022-figs). This page will have everything you need to know before the beginning of fall term, including how to email your FIG Assistant, your summer assignment, and when you will be meeting your FIG for the first time in September. In order to prepare for your coursework and be notified about important academic deadlines you will want to download the “Canvas” and “Navigate” apps to your devices. Also, be sure to visit the FYE Community page in September, which has all the information you’ll need to achieve success in your first-year (https://fyp.uoregon.edu/community). If you have questions about anything, make sure you email your FIG Assistant – they are here to help!

ENROLLED IN A FIG AND CHANGE YOUR MIND?
Visit this link to find out the best way to make FIG changes for you: https://fyp.uoregon.edu/fig-enrollment-2022